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Bulletin 412 July 1954

THE UNIVERSITY OF NEW HAMPSHIRE
AGRICULTURAL EXPERIMENT STATION
Department of Agricultural and Biological Chemistry

Inspection of Commercial Feedingstuffs

Made for the
State Department of Agriculture

By H. A. DAVIS and V. F. STAAB

The University of New Hampshire
Durham, N. H.

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INSPECTION OF COMMERCIAL FEEDINGSTUFFS

Made for the

STATE DEPARTMENT OF AGRICULTURE

The New Hampshire Commercial Feed Law is administered by the Commissioner of Agriculture. All inquiries concerning the law and the registration of feedingstuffs should be addressed to the Feed Control Supervisor, State House, Concord, New Hampshire.

Official samples of feedingstuffs offered for sale in the state are collected under the direction of Honorable Perley I. Fitts, Commissioner of Agriculture, by Mr. George H. Laramie, Control Supervisor, and Mr. Harold Ayer, Assistant Control Supervisor. During the year ending June 30, 1954, 707 official samples were submitted for analysis. These samples represented brands of 165 manufacturers.

THE LAW

The New Hampshire Commercial Feed Law, Chapter 226 of the Laws of the State of New Hampshire, conforms closely to the Uniform Feed Bill proposed by the Association of American Feed Control Officials. Every individual or firm expecting to sell their feed products in New Hampshire should obtain a copy of the leaflet "New Hampshire Commerical Feed Law and Rules and Regulations" from the office of the Department of Agriculture, State House, Concord, New Hampshire. Purchasers of feedingstuffs should read this leaflet for official information concerning the requirements of the law.

Registration: Each brand of commercial feed offered for sale in the state must be registered. The term "Commercial feed" refers to "all materials which are distributed for use as feed for animals, other than man, and for wild birds kept in captivity, except (1) unmixed whole seeds and meals made directly from the entire seeds, (2) unground hay and (3) whole or ground straw, stover, silage, cobs, and hulls when not mixed with other materials."

The feedingstuff is usually registered by the manufacturer or jobber whether he is located within or outside the state. Feedingstuffs manufactured in other states are frequently handled by several middlemen before they reach the local distributor. Under the provisions of the law, if the manufacturer or jobber fails to make registration, the dealer is responsible. Dealers who purchase feed for resale must assure themselves that the brands they purchase are properly registered and the license fee paid; otherwise, they must assume that responsibility. The Feed Control Supervisor provides forms to be filed in his office for the registration of feeds. Copy of this form is shown on Page 4.

New Hampshire

APPLICATION FOR REGISTRATION OF COMMERCIAL FEEDINGSTUFFS

No. .....

Date .....

To the Commissioner of Agriculture, State Dept. of Agriculture, Concord, N. H.:

The undersigned hereby makes application for registration—reregistration—supplemental registration of the following commercial feedingstuffs (for the period ending December 31, 19):

(List products to be reregistered under heading REREGISTRATIONS. List under heading SUPPLEMENTAL those products added during the year.)

Attached are product data sheets which have affixed thereto a label to be used on, or attached to the containers of feedingstuffs as required by paragraph 1 of Chapter 226, Revised Laws of N. H., Stock Foods Law. I hereby certify that the label or labels contain the information required by the law.

(Enclosed is ..... in the amount of $..... covering the registration fee for feedingstuffs. Registration fee is $15.00 for each feedingstuffs.)

Address correspondence to:

Attention ..... Firm Name .....

Street and No. ..... By .....

City and State ..... Title .....

.....

CERTIFICATE OF REGISTRATION

This certifies (that the registration fee has been paid and) that the above-listed products are this day registered under the provision of the New Hampshire Stock Foods law, and the sale is authorized when sold, offered or exposed for sale when labeled and otherwise in compliance with the law, until cancelled for cause (for the period beginning with the actual date of registration and continuing until December 31, unless the registration of any feed or feeds are cancelled).

NEW HAMPSHIRE DEPARTMENT OF AGRICULTURE

.....

Commissioner

Date .....

INSTRUCTIONS

Application for Registration: Submit cover sheet in duplicate. One copy will be returned as your Certificate of Registration.

Product Data Sheet: One or more (8½" x 11") sheets, to which is affixed a label, or if the label has not been printed, proposed copy or printer's proof may be affixed, for each product to be registered, must accompany the application. Number the attached data sheet pages and insert the page number in parentheses on the cover sheet immediately after the name of the feed.

Brands: List these on the application cover sheets under the headings and in the order "Reregistrations" and "New Registrations." (Reregistrations are renewals from the previous year. New Registrations are brands not registered the previous year.)

Reregistrations: (Renewals of registrations) require that all cover sheets be renewed. It is not necessary to renew Product Data Sheets except with respect to information which is different from that furnished when the feeds were registered or last reregistered.

Labeling: All labeling must be in accordance with New Hampshire Stock Foods law, and all information on cover sheets and data sheets must comply with the above law.

(Note: The above instructions appear on the back of the Application for Registration.)

Labeling: The law requires that any commercial feed offered for sale or sold in this state shall furnish on each package a clearly printed statement certifying:

the number of net pounds in the package

the name and principal address of the person guaranteeing the commercial feed

the name or brand under which the commercial feed is sold
the guaranteed analysis stating:

the minimum percentage of crude protein
the minimum percentage of crude fat
the maximum percentage of crude fiber

the name of each ingredient contained in the feed

In specialty cases, as in mineral feeds and vitamin supplements, requirements as listed in the law must be met. In the case of bulk deliveries a written or printed statement of the above information shall accompany delivery.

In order to secure greater uniformity in the labeling of feeds and in the statement of ingredients, the Association of American Feed Control Officials has adopted definitions of ingredients and standards. The Asso-

ciation has approved 20 official regulations which "should be adopted by State officials insofar as their statutes will permit." There are no conflicts with the New Hampshire feedingstuffs law in these regulations. Manufacturers and dealers are, therefore, expected to conform to the regulations of the Association in all matters not specifically mentioned in the law. A booklet containing these regulations, together with definitions of ingredients, official and tentative, as well as other instructive material, may be obtained from the Secretary of the Association of American Feed Control Officials, College Park, Maryland. If the definitions and suggestions presented in this booklet are followed by the manufacturer, a correct and accepted list of ingredients complying with the law will appear on the tag. Carelessness or indifference in listing the ingredients should create sales resistance in the buyer. The purchaser will likely conclude that the manufacturer who is inaccurate in specifying the ingredients printed on the tag may be careless in selecting the ingredients he puts into the bag.

THE PURPOSE OF THE FEEDINGSTUFFS LAW

The chief purpose of the feedingstuffs law is to protect the consumer against the inferior products which doubtless would soon appear on the market if the trade were not under state control. The law is primarily a correct-labeling act. It must not be assumed by the purchaser that every brand which meets the manufacturers guarantee is a high-grade feed. The Commercial Feed Law does not prevent the sale of a low grade feed if it is properly licensed and tagged and is offered for sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding value. The law does prevent an inferior feed being offered for sale as a high-grade product.

The dealer, in purchasing feed from the manufacturer, and the consumer, in purchasing feed from the dealer, should make the specification that the feed delivered must comply with the New Hampshire Commercial Feed Law. If the feed is not registered; if the protein, fat, and crude fiber are not guaranteed; and if the ingredients of which the feed is composed, are not plainly stated on the bag, or on a tag attached thereto, the purchaser is not protected by the law. He has no recourse under the commercial feed law if the feed he purchases is of inferior quality. If the buyer fails to assure himself that the legal requirements have been met, he accepts the feedingstuff at his own risk.

The cost of a feedingstuffs inspection includes the drawing and analysis of samples, and the publication and distribution of the annual bulletin. The funds from which these costs are paid are accumulated from the license fee which the manufacturer is required to pay annually on each brand registered for sale in the state. A calculation based on the known costs of the inspection and the estimated retail value of the feedingstuffs sold annually shows that the cost of the inspection is only a fraction of a cent per 100-pound bag.

The terms used in reporting the chemical analysis of a feedingstuff required by law are briefly defined as follows: PROTEIN is a collective term for a considerable group of compounds, all of which contain nitrogen.

Ingredients high in protein are usually more expensive than the other ingredients, making protein the most important nutrient for consideration in determining the commercial value of a feedingstuff. The nutritional value of the proteins varies widely; therefore, a feedingstuff should contain protein from several sources to insure inclusion of all essential types. FAT is separated from the other components of a feedingstuff by extracting the moisture-free sample with anhydrous ether. In such ingredients as the cereals, the seed-meals, and animal products, the extract is nearly pure fat. A few ingredients such as alfalfa meal contain some ether soluble material which is not fat. If urea is present in a feed, the fat figure may be somewhat high due to the slight solubility of urea in anhydrous ether. When sulphur is present, the "ether extract" or fat found is much too high since sulphur is readily soluble in anhydrous ether. CRUDE FIBER is composed of cellulose and related compounds. Since crude fiber has little feeding value, the law requires that the maximum fiber be guaranteed rather than the minimum as in protein and fat.

Bulk delivery of feed directly from the mixer to the farm continues to increase in volume. The special problems involved in handling this type of delivery by both the manufacturer and consumer can be satisfactorily met. The consumer, considering the acceptance of delivery of feed in bulk, should carefully consider his method of storage and the distribution of feed in his management program. Information is available from both the Experiment Station and the manufacturers concerning the construction of bins to receive bulk delivery of feeds. The analysis of several samples drawn by the feed control supervisor reported in Bulletin 403, 1953 Inspection of Commercial Feedingstuffs, indicate that a satisfactory sample of bulk delivered feeds can be obtained at any one of several points. Further evidence was obtained on this point this year. A series of three samples of each of two brands of feed were drawn by the feed control supervisor representing a lot of each of two types of feed delivered in bulk. The new pneumatic unloading method was used in these cases. The results obtained are shown in Table I. These results confirm previous finding, that is, with reasonable judgment a satisfactory sample of bulk delivered feeds can be obtained at any one of several points in the handling of bulk feeds.

TABLE I

	Sample drawn at point of feed transfer or location	Protein	Fat	Fiber
Brand A	Bulk bin into truck compartment	16.03	5.00	8.21
	Rear of bulk truck	16.03	5.02	7.90
	Manf. bin, equal to farmers bin	16.33	5.35	7.86
Brand B	Bulk bin, into truck compartment	17.38	4.71	3.68
	Rear of bulk truck	17.08	4.70	3.68
	Manf. bin, equal to farmers bin	17.43	4.66	3.60

The difference between results of the analysis of the samples of the same lot in these cases are no more than would be expected in analyzing several samples drawn from the same lot of bagged feed.

The use of medicated feeds for special purposes is steadily increasing in volume. Special directions for feeding are printed on the tag attached to each bag of such feed. When a drug or antibiotic is in a feed, the tag must clearly state that fact. The use of drugs in feeds for the control of certain diseases must be carefully investigated and meet the approval of the Food and Drug Administration before it is put on the market. The laboratory has analyzed many of the feeds tagged as containing sulfaquinoxaline this year and found no serious deficiencies.

It is not within the scope of this bulletin to make recommendations regarding the use of commercial feedingstuffs. The Department of Dairy Husbandry and the Department of Poultry Husbandry are continuously studying feeding problems. The following publications of these departments are free to residents of New Hampshire. Address your request to Mail Service, University of New Hampshire, Durham, New Hampshire.

Ext. Bull. 67	Turkey Production in New Hampshire, 16 pp.
Ext. Cir. 274	Brooding and Rearing Chickens, 20 pp.
Ext. Cir. 282	Dairy Calves.
Sta. Bull. 401	Feed Standards for N. H. Broilers.
Ext. Bull. 114	Feeding Dairy Cattle.

While the word feedingstuff does not appear in all the above titles, no publication is included which does not discuss some aspect of the use of feedingstuffs.

Inquiries occasionally are made regarding a method of calculating the protein, fat or fiber content of a home-mixed feed. There are tables available, such as those in Morrison's book "Feeds and Feeding," which give the average chemical analysis of feed concentrates, roughage, and silages. It should be pointed out that the chemical analysis of a particular lot of an ingredient may be somewhat above or below the average figure shown in the table. This fact must be taken into consideration in fixing guarantees. The following example shows how the protein content of a feed mixture may be calculated.

Ingredients	pounds used	x	percent protein in ingredient	=	lbs. protein furnished by ingredient
Ground Oats	200		12.0		24
Ground Corn	400		8.0		32
Gluten Feed	300		25.0		75
Wheat Bran	400		15.0		60
Linseed Oil Meal	100		34.0		34
Salt	10		..		..
Total Mix	1410 lbs.		contains		225 lbs. protein

$$\text{The mixture contains } \frac{225}{1410} \times 100 = 15.95\% \text{ protein.}$$

The percentage of fat or fiber may be calculated in a like manner by substituting the fat or fiber figures for those of the protein.

CONFORMITY TO THE GUARANTEES

The chemical analyses reported in this bulletin were made by the methods approved by the Association of Official Agricultural Chemists. Of the 707 samples analyzed, 667 were ingredients and mixed feeds, and 40 were canned cat and/or dog foods. Forty-three brands were sampled at two or more different times during the year. In addition, 6 samples were submitted for analysis in a special study of the bulk sampling problem. These six samples all met the guarantee.

Table II shows the percentage of samples not conforming to guarantees over a period of years. A distinct improvement is noted in 1954. Of the analyses reported in this bulletin of the 707 samples submitted, 8.8 percent contained less protein, 5.2 percent contained less fat and 3.8 percent contained more fiber than was guaranteed.

It is common practice to indicate by different type those brands failing to conform to the guarantee by an arbitrary amount. In this bulletin the analytical figures, ½ percent or more below guarantee in protein, ¼ percent or more below in fat, and one percent or more above guarantee in crude fiber, are printed in bold face type. The brands *not* registered with the Control Supervisor at the time of sampling are indicated by means of an asterisk before the brand name.

TABLE II

PERCENTAGE OF SAMPLES ANALYZED IN YEARS 1926-1954 NOT CONFORMING TO GUARANTEES

Year	Per cent below guarantee in Protein		Per cent below guarantee in Fat		Per cent high in Crude Fiber
	LESS THAN 0.5 PER CENT	0.5 PER CENT OR MORE	LESS THAN 0.25 PER CENT	0.25 PER CENT OR MORE	
1926	8.0	16.0	4.0	10.0	6.0
1927	8.3	16.4	5.8	13.6	5.9
1928	9.1	20.7	4.3	9.3	7.9
1929	9.5	20.2	2.8	9.3	6.5
1930	4.8	13.1	4.0	8.0	3.9
1931	1.8	7.2	5.9	9.7	5.3
1932	1.8	1.4	5.0	8.1	2.8
1933	1.3	3.6	7.5	9.8	3.6
1934	3.0	3.4	3.9	7.1	9.8
1935	2.4	3.0	4.2	8.5	9.9
1936	2.9	5.2	5.5	8.3	12.2
1937	2.8	4.2	3.0	6.0	11.0
1938	2.9	8.1	9.8	10.8	11.5
1939	1.9	3.3	6.8	9.3	8.7
1940	2.9	4.0	6.2	6.7	7.5
1941	1.1	2.6	4.7	6.7	5.6
1942	2.6	3.5	3.7	4.5	7.4
1943	3.7	2.7	7.7	8.6	7.4
1944	8.2	9.0	10.7	19.7	6.9
1945	2.1	6.1	2.9	7.5	7.1
1946	8.6	17.5	2.3	8.9	14.6
1947	4.1	10.2	1.7	4.0	24.7
1948	3.6	3.8	2.3	3.5	13.6
1949	3.5	5.8	2.7	2.8	7.2
1950	4.9	7.3	4.9	5.1	3.2
1951	4.4	7.5	2.7	4.9	4.0
1952	4.3	8.4	3.0	5.8	4.3
1953	4.3	12.7	3.4	6.8	4.4
1954	2.7	6.1	1.7	3.5	3.8

REQUEST BY INDIVIDUALS FOR THE ANALYSIS OF FEEDINGSTUFFS

In addition to the official samples of feedingstuffs submitted by the Feed Control Supervisor, the Agricultural Experiment Station each year analyzes some samples drawn by individuals to aid in solving a particular problem. Chemical analysis can aid in certain cases but it should not be expected to answer all questions. A close study of management practises will often answer many problems when the first thing to do seems to blame the feed for difficulties in growth or production of livestock. It is suggested that in the case of a difficulty involving feeding that you call in your County Agent, your veterinarian or the fieldman of your feed supplier to consider your problem. They will then obtain the facts in the case and will determine whether an analysis of the feed will be of help or not.

If a feed sample is mailed or brought to the laboratory, it is essential that the sample drawn, about one pint put in a clean, tight container, *adequately represents* the large lot from which it is drawn and that *full information* concerning the case accompany the sample. If this is not done, it must be supplied before analysis can be made. Because of the cost of laboratory work and materials, the necessity for an analysis is decided upon the basis of information submitted and an opinion obtained as to whether or not an analysis is necessary in the particular case involved. Since this is a state experiment station, this service is available only to residents of this state and no charge is made for this occasional work. Many questions that are raised may be satisfactorily answered by correspondence without laboratory work.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Ackerman-Beardsley-Bennett, Inc. **Albany, New York**							
**Corn Distillers Dried Grains	Dover	25.00	26.5	5.00	12.2	15.00	8.7
Allen Products Co., Inc. **Allentown, Pa.**							
Al Po Dog Food	Concord	14.50	16.3	2.00	9.2	1.50	0.2
Allied Mills, Inc. **Chicago, Ill.**							
Wayne Calf Starter	Manchester	16.00	16.8	3.00	3.6	9.00	6.5
Wayne Chick Feed	W. Lebanon	9.00	9.8	2.00	4.4	4.00	1.3
Wayne 16% Dairy Ration	W. Lebanon	16.00	19.2	3.50	3.7	9.00	7.9
Wayne Egg Mash Pellets	Manchester	20.00	20.6	3.00	4.2	5.50	5.5
Wayne Fitting Ration	Manchester	13.00	14.4	3.00	4.2	8.50	6.5
Wayne Growing Mash	W. Lebanon	20.00	20.6	2.50	4.4	5.50	5.1
Wayne H.A.D. Krums	W. Lebanon	20.00	23.9	3.50	4.1	4.00	3.4
Wayne Mash Layer	W. Lebanon	20.00	21.1	3.00	4.2	7.00	5.8
Wayne 16% Milk Producer	W. Lebanon	16.00	19.7	3.00	3.1	10.00	4.9
Wayne Mink Meal	Manchester	22.00	24.7	4.00	5.1	7.50	5.6
Wayne Rabbit Ration (Pellets) ..	W. Lebanon	17.00	18.0	3.00	4.2	15.00	10.3
Wayne Ranch Meal	Manchester	18.00	18.5	3.50	4.2	9.00	4.8
**Wayne Sugarine Mixer	W. Lebanon	17.00	19.5	1.00	4.2	10.00	10.9
Wayne Tail Curler	W. Lebanon	18.00	18.9	3.00	4.8	5.00	3.1
Wayne Test Cow Ration	Manchester	16.00	17.5	4.00	4.0	9.00	7.2
Wayne Turkey Growing Mash ...	Manchester	20.00	20.8	2.50	4.4	8.00	6.0
**Wayne Universal Egg	Manchester	17.00	19.1	2.50	4.8	6.00	5.7
Wayne Universal Grower	Manchester	16.00	16.7	2.50	4.6	4.50	4.3
.005% 3 Nitro 4-Hydroxyphenylarsonic Acid in Wayne Chick Starter (Krums)	W. Lebanon	20.00	23.2	3.00	3.5	5.50	4.3
Wayne 0.005% 3-Nitro 4-Hydroxyphenylarsonic and 0.0125% Sulfaquinoxaline in Wayne Chick Starter	Manchester	20.00	**19.2**	3.00	3.5	5.50	4.7
Wayne 0.005% 3-Nitro 4-Hydroxyphenylarsonic Acid and 0.0175% Sulfaquinoxaline in Wayne Rocket Broiler Feed	Manchester	20.00	22.2	3.50	4.1	4.00	3.3
American Crabmeat Co. **Boston, Mass.**							
Little 3 Kittens Cat Food	Concord	15.00	16.9	0.50	**0.2**	0.10	0.05
American Maize-Products Co. **Roby, Ind.**							
Cream of Corn Gluten Feed	Nashua	23.00	24.1	2.00	2.3	9.50	6.5
Animal Foundation, Inc. **Sherburne, N. Y.**							
Hunt Club Full Diet Dog Meal ...	Concord	23.00	24.8	5.00	6.0	4.00	2.5

* Protein and fat not less than, crude fiber not more than.
** Not registered at time of drawing of sample.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Archer Daniels Midland Co. Minneapolis, Minnesota							
Archer Quality 36% Protein Solvent Extracted Linseed Oil Meal	Manchester	36.00	36.5	0.50	0.8	10.00	8.9
Archer Quality 44% Protein Soybean Oil Meal	Bow	44.00	45.7	0.5	0.7	7.00	5.4
Armour & Co. Chicago, Ill.							
Dash Armour Dog Food	Concord	10.50	10.7	2.50	3.3	1.00	0.6
Ashcraft Wilkinson Co. Atlanta, Ga.							
Cow Eta Brand 41% Protein Cottonseed Meal Prime Quality	Bow	41.00	**40.4**	4.00	6.0	13.00	12.0
Austin Dog Food Div. of Sunshine Biscuit, Inc. New York, N. Y.							
Austin's Dog Food (Bone Shaped)	Portsmouth	22.00	22.6	2.50	3.4	4.50	3.2
E. R. Bacon Grain Co. Chicago, Ill.							
**Bacon's Gluten Feed	Manchester	23.00	27.3	2.00	3.8	10.00	6.9
E. W. Bailey Co. Montpelier, Vt.							
**Bailey's Pennant Brand Ace-Hi-Layer	Colebrook	16.00	16.0	3.50	5.2	4.50	4.4
Bailey's Pennant Brand Calf Ration	Colebrook	15.00	17.5	3.00	3.1	7.00	6.4
Bailey's Pennant Brand Complete Egg Ration	Colebrook	16.00	15.8	3.50	4.5	7.00	6.3
Bailey's Pennant Brand Complete Grower	Colebrook	15.00	16.2	3.50	4.7	7.00	6.6
Bailey's Pennant Brand 16% Dairy Ration	Lebanon	16.00	17.6	3.25	4.1	10.00	9.9
Bailey's Pennant Brand 16% Dairy Ration Coarse	Colebrook	16.00	17.6	3.25	3.8	10.00	8.6
Bailey's Pennant Brand Special 16% Dairy Ration	Colebrook	16.00	16.9	3.25	3.6	10.00	8.6
Bailey's Pennant Brand 18% Dairy Ration	Colebrook	18.00	19.6	3.25	3.8	9.00	8.5
Bailey's Pennant Brand 20% Dairy Ration (Fine)	Colebrook	20.00	**19.3**	3.25	3.6	9.00	7.6
Bailey's Pennant Brand 20% Dairy Ration (Fine)	Lebanon	20.00	20.5	3.25	3.5	9.00	9.0
Bailey's Pennant Brand Fitting Ration (Coarse)	Colebrook	14.00	15.3	3.25	3.8	11.00	7.3
Bailey's Pennant Brand Horse Feed	Colebrook	10.00	13.3	3.00	3.8	9.00	6.5
Bailey's Pennant Brand Laying Mash	Colebrook	20.00	21.2	3.50	5.3	7.00	6.5
**Bailey's Pennant Brand Mo-Bulk	Colebrook	10.50	13.1	1.50	2.1	17.00	14.4

* Protein and fat not less than, crude fiber not more than.
** Not registered at time of drawing of sample.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
E. W. Bailey (continued)							
Bailey's Pennant Brand Pasture Ration	Colebrook	14.00	18.4	3.75	**3.5**	14.00	9.7
Bailey's Pennant Brand Pig Feed	Colebrook	17.00	18.1	3.50	5.4	7.00	7.2
Bailey's Pennant Brand Provender	Colebrook	10.00	10.1	3.50	4.0	8.00	6.3
**Bailey's Pennant Brand Stock Feed	Colebrook	9.50	11.6	3.00	3.8	15.00	12.7
Bailey's Pennant Brand Sulfaquinoxaline in Pennant Chick Starter	Colebrook	20.00	21.4	3.50	4.8	5.50	5.5
Bailey's Pennant Brand 32% Supplement	Colebrook	32.00	32.1	3.00	3.2	10.00	8.2
Bailey's Pennant Brand 16% Test Ration	Colebrook	16.00	16.2	3.25	**2.8**	9.00	7.5
Battle Creek Dog Food Co. Battle Creek, Mich.							
**Millers Dog Food	Concord	17.50	**16.8**	3.50	15.8	1.00	0.1
Millers Dog Meal	Keene	22.00	24.1	3.00	3.9	4.00	2.7
Millers Kibbles Dog Food	Keene	22.00	24.4	2.00	2.5	3.00	1.5
The Beacon Milling Co., Inc. Cayuga, N. Y.							
Auburn "16"	Dover	16.00	18.2	3.00	3.7	10.00	7.4
Auburn "20"	Dover	20.00	22.4	3.00	3.0	10.00	6.5
Beacon "15" with Pellets	Manchester	15.00	15.4	4.00	4.5	9.00	6.6
Beacon "16"	Dover	16.0	17.7	3.50	4.2	9.00	7.6
Beacon Breeders Mash	Weare	22.00	22.7	3.50	4.8	6.50	5.3
Beacon Broiler Feed	Dover	23.00	26.1	3.50	4.9	4.75	4.2
Beacon C-C Pellets	Weare	15.00	15.9	4.50	7.1	5.00	3.9
Beacon Complete Starter	Dover	23.00	27.3	3.50	4.8	4.75	4.7
Beacon Dairy Fitting	Dover	14.00	15.7	3.25	3.7	9.00	7.3
Beacon "22" Egg Mash	Weare	22.00	22.2	3.50	4.3	6.50	5.0
Beacon Goat Ration	Manchester	16.00	17.4	3.00	3.5	10.00	6.6
Beacon "18" Growing Mash	Manchester	18.00	18.6	3.50	4.4	6.25	5.6
Beacon Nitrophenide Mix in Beacon Complete Starter	Dover	23.00	23.9	3.50	5.1	4.75	3.9
Beacon Nitrophenide Arsonic Growth Stimulant in Broiler Feed	Manchester	23.00	23.7	3.50	4.3	4.75	4.2
Beacon Nitrophenide w/Arsonic Growth Stimulant in Beacon Broiler finisher	Manchester	16.00	16.7	3.50	4.2	5.75	4.4
Beacon Nitrosal Mix in Beacon Broiler Feed	Dover	23.00	24.8	3.50	5.1	4.75	4.7
Beacon Nitrosal Mix in Beacon Complete Starter	Dover	23.00	24.5	3.50	4.4	4.75	3.8
Beacon Poultry Fitting	Weare	11.00	11.2	3.00	3.2	7.50	4.7
Beacon Sulfaquinoxaline in Beacon S.Q. Control Mash	Dover	18.00	20.6	3.50	4.5	6.00	4.9
Beacon "18" Test Cow Ration	Dover	18.00	19.4	3.75	4.2	9.00	8.1
Beacon Turkey and Game Bird Fitting	Manchester	10.00	10.5	3.00	3.3	9.00	5.5
Beacon Turkey & Game Bird Fiting	Dover	10.00	10.7	3.00	3.0	9.00	4.8

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Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Beacon Milling Co. (continued)							
Beacon Turkey & Game Bird Flushing Mash	Dover	15.0	16.4	4.50	10.3	5.00	3.9
Beacon Worm Mash	Weare	20.00	21.0	3.00	4.2	5.75	4.8
Be-Co-Lass	Dover	11.00	12.1	2.00	3.0	13.00	11.0
Beech Hill Co. Eastport, Maine							
**Kit 'n' Kat Cat Food	Portsmouth	50.00	63.1	10.00	10.3	1.00	0.9
The Borden Company New York, N. Y.							
Flaydry	Bow	24.00	31.3	2.00	3.2	6.50	5.7
Borden Soy Processing Co. Kankakee, Ill.							
Borden's 44% Protein Solvent Extracted Soybean Oil Meal	Greenfield	44.0	46.5	0.50	0.8	7.00	5.6
Boswell Company Atlanta, Ga.							
**Pure Gold Brand 41% Protein Cotton Seed Meal	Greenfield	41.00	42.1	4.00	5.9	13.00	11.8
Bremco Alfalfa Mills, Inc. New Bremen, Ohio							
**Medo Green Alfalfa Meal	Manchester	17.00	17.4	1.50	2.5	27.00	24.4
Brown Forman Co. Louisville, Ky.							
B-F Corn Distillers Dried Grains	Bow	23.00	23.9	7.00	9.4	15.00	13.8
**B-F Corn Distillers Solubles	Bow	24.00	29.1	8.00	**7.5**	4.00	4.4
The Buckeye Cotton Oil Co. Cincinnati, Ohio							
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal	Manchester	44.00	47.1	0.50	0.5	7.00	5.3
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal	Manchester	44.00	45.5	0.50	0.5	7.00	6.1
Calo Dog Food Co., Inc. W. Hanover, Mass.							
Calo Cat Food	Concord	10.00	10.0	2.00	3.8	1.00	0.6
Calo Dog Food	Concord	10.00	10.0	2.00	3.9	1.00	0.7
Calo Dog Food 100% Horsemeat	Concord	15.00	15.3	3.00	9.8	1.00	0.2
Canada Starch Co. Cardinal, Ont., Canada							
**Edwardsburg Corn Gluten Meal	Manchester	41.00	**40.4**	1.00	3.3	6.00	5.7
The A. B. Caple Co. Toledo, Ohio							
**Alfalfa Meal	Keene	13.00	**11.9**	1.00	1.5	33.00	**36.1**

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Cargill, Inc. **Minneapolis, Minn.**							
Cargill, Inc., 44% Protein Solvent Extracted Soybean Oil Meal ..	Nashua	44.00	46.1	0.50	0.8	7.00	5.8
Car-O-Green, Inc. **Kansas City, Mo.**							
**Car-O-Green Dehydrated Alfalfa Granules '56	Keene	17.00	17.1	1.50	2.7	27.00	22.1
**Car-O-Green Dehydrated Alfalfa Granules '56	Keene	17.00	16.7	1.50	3.1	27.00	23.9
Central Mills, Inc. **Dunbridge, Ohio**							
**Cent-CM-Green Alfalfa Meal ...	Concord	17.00	17.2	1.50	2.6	27.00	25.6
Central Soya Co. **Fort Wayne, Ind.**							
Star Brand 44% Solvent Extracted Soybean Oil Meal	Potter Place	44.00	46.2	0.5	1.9	7.00	5.2
Citrus Feed Co. **Lakeland, Fla.**							
Ace High All-Sweet Dried Citrus Pulp	Epping	6.00	**5.2**	3.00	5.1	10.00	8.7
Clinton Foods, Inc. **Clinton, Iowa**							
Clinton Corn Glutin Feed	Colebrook	23.00	25.4	2.00	2.4	8.50	7.3
Clinton Foods, Inc. **Auburndale, Fla.**							
McDonald Dried Citrus Meal	Bow	6.00	6.0	2.50	**1.7**	20.00	12.8
Coast Fisheries; Div. of Quaker Oats Co. **Wilmington, Calif.**							
Puss 'n' Boots Cat Food	Concord	12.00	13.5	2.00	2.7	1.00	0.7
Coatsworth & Cooper Ltd. **Toronto, Canada**							
C & C Wheat Shorts	Epping	16.00	**14.8**	5.00	**3.2**	8.00	4.1
Commercial Solvents Corp. **Peoria, Ill.**							
**BY-500 Dried Corn Fermentation Solubles	Greenfield	30.00	30.3	4.00	5.3	9.00	6.6
The Connecticut Grain Corp. **Lowell, Mass.**							
**Superior Brand Dried Brewers Grains	Manchester	24.00	24.5	6.00	7.2	17.00	14.5

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Consolidated Products **Danville, Ill.**							
Kaff-A Calf Starter	Colebrook	22.00	22.8	4.00	**2.8**	2.00	0.9
Consolidated Rendering Co. **Boston, Mass.**							
Corenco Feeding Bone Meal	Manchester	10.00	13.1	...	...	...	...
Corenco 43% Meat & Bone Scrap	Bow	43.00	**42.3**	6.00	10.0	...	...
Corenco 43% Meat & Bone Scrap	Epping	43.00	44.8	6.00	9.7	...	...
Corenco 45% Meat & Bone Scrap	Manchester	45.00	45.9	6.00	7.5	...	...
Corenco 45% Meat & Bone Scrap	Potter Place	45.00	46.1	6.00	6.6	...	...
Corenco 45% Meat & Bone Scrap	Keene	45.00	46.1	6.00	7.9	...	...
Corenco 45% Meat & Bone Scrap	Keene	45.00	46.3	6.00	8.1	...	...
Corenco 45% Meat & Bone Scrap	Manchester	45.00	46.8	6.00	8.4	...	...
Corenco 45% Meat & Bone Scrap	Bow	45.00	47.4	6.00	8.0	...	...
Corenco 47% Meat & Bone Scrap	Bow	47.00	47.2	6.00	8.8	...	...
Copeland Flour Mills, Ltd. **Midland, Canada**							
Dandy Wheat Shorts	Manchester	15.00	16.5	4.50	4.5	8.00	5.4
Dandy Wheat Shorts	Colebrook	15.00	16.8	4.50	5.1	8.00	6.6
Corn Products Sales Co. **New York, N. Y.**							
Diamond Brand Corn Gluten Meal	Bow	41.00	43.6	1.00	2.4	6.00	5.8
Buffalo Brand Corn Gluten Feed "Sweetened"	N. Haverhill	18.00	24.0	0.75	2.9	9.00	7.4
Buffalo Corn Gluten Feed	Bow	23.00	24.4	1.00	2.3	10.00	8.2
Chas. M. Cox Co. **Boston, Mass.**							
Provender	Charlestown	9.00	9.6	3.00	3.4	8.00	4.8
Wirthmore Aureomycin Mixture in Wirthmore Quickies	Portsmouth	20.00	21.4	2.50	3.9	4.00	3.6
Wirthmore Breeder Mash	Portsmouth	20.00	21.5	3.00	3.4	7.00	5.1
Wirthmore Calf Starter Meal	Plymouth	22.00	23.8	3.50	3.9	7.00	5.8
Wirthmore Calving Ration	Charlestown	14.00	15.7	3.50	3.8	10.00	7.2
Wirthmore Challenger Coarse 14 Dairy Ration	Lisbon	14.00	15.8	3.00	5.1	12.00	8.5
Wirthmore Complete Breeder Ration	Keene	15.00	16.9	3.00	3.4	6.00	4.8
Wirthmore Complete Chick Starter	Keene	20.00	20.1	2.50	2.9	6.00	4.2
Wirthmore Complete Egg Ration	Keene	15.00	15.1	3.00	3.5	6.00	4.7
Wirthmore Complete Growing Ration	Keene	15.00	15.3	3.00	3.1	6.00	4.6
Wirthmore 16 Dairy Ration	Littleton	16.00	17.9	3.50	3.9	9.00	6.4
Wirthmore 20 Dairy Ration	Lancaster	20.00	22.2	3.50	3.7	9.00	7.0
Wirthmore Dog Biscuits Bone Shaped	Concord	22.00	25.5	2.00	3.3	3.00	1.6
Wirthmore 14 Fitting Ration	Hillsboro	14.00	15.2	3.50	4.1	9.00	6.1
Wirthmore Fodder Greens	Lisbon	9.00	9.4	2.00	2.5	18.00	10.8
Wirthmore Growing Mash (Pellets)	Portsmouth	18.00	20.1	3.00	3.8	7.00	5.1

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Charles M. Cox (continued)							
Wirthmore Hi-Ener-G Breeder ..	Portsmouth	16.00	17.1	3.00	3.7	4.50	3.3
Wirthmore Hi-Ener-G Layer	Lancaster	16.00	18.1	3.00	3.4	4.50	3.3
Wirthmore Hog Grower	Littleton	15.00	18.1	4.00	4.4	6.00	5.1
Wirthmore Horse Feed	Colebrook	10.00	11.5	3.25	4.0	9.00	7.6
Wirthmore Horse Feed	Lancaster	10.00	11.5	3.25	3.5	9.00	8.0
Wirthmore Laying Mash (Pellets)	Keene	20.00	20.0	3.00	3.1	7.00	5.9
Wirthmore Pig & Sow Feed	Colebrook	17.00	19.5	3.50	3.7	8.00	5.9
Wirthmore Poultry Flush	Plymouth	15.00	18.8	2.50	2.5	6.00	4.5
Wirthmore Rabbit Pellets	Plymouth	17.00	16.6	3.50	4.1	12.00	8.4
Wirthmore 16 Record Ration ...	Hillsboro	16.00	18.1	3.50	4.3	9.00	7.2
Wirthmore Stock Feed	Colebrook	10.00	19.3	3.00	3.6	11.00	9.1
.0125% Sulfaquinoxaline in Wirthmore Complete Chick Starter .	Concord	20.00	20.8	2.50	3.2	6.00	4.7
.0175% Sulfaquinoxaline in Wirthmore Improved Hi-Ener-G Starter & Broiler Ration	Charlestown	20.00	20.7	3.00	3.2	4.00	3.7
.0175% Sulfaquinoxaline in Wirthmore Improved Hi-Energy Starter & Broiler Ration	Keene	20.00	21.0	3.00	3.2	4.00	3.0
Wirthmore Sulfaquinoxaline Mixture in a Poultry Mash Base ..	Charlestown	20.00	22.7	3.00	**2.7**	4.00	3.2
Wirthmore Turkey Fattening Ration	Littleton	16.00	18.1	3.00	3.9	7.00	5.0
Wirthmore Twin-Mix Calf Ration	Keene	17.00	18.3	3.00	3.4	8.00	6.2
Dawe's Laboratories, Inc. Chicago, Ill.							
**Dawe's Vitamelk Base (D.V. Base)	Nashua	34.00	35.0	1.00	2.0	7.00	5.4
**Dawe's Vitamelk Base (D.V. Base)	Greenfield	34.00	34.4	1.00	2.0	7.00	5.2
Decatur Milling Co., Inc. Decatur, Ill.							
Hominy Feed	Epping	9.00	9.9	5.00	8.1	6.00	4.1
Deep Run Packing Co. Dublin, Pa.							
Big Bet Horse Meat Dog Food ..	Concord	17.00	17.3	3.00	13.4	1.50	0.2
Big Bet Horse Meat Dog Food ..	Concord	17.00	**16.0**	3.0	10.5	1.50	0.3
Big Bet Ration Dog Food	Concord	10.00	**8.2**	3.00	3.3	1.50	0.8
**Smittys Dog Food	Concord	17.00	18.4	3.00	12.6	1.50	0.1
Deep Sea Products, Inc. South Portland, Maine							
Fish Meal	Manchester	60.00	**59.2**	5.00	9.8	1.50	0.2
Delaware Mills, Inc. Deposit, N. Y.							
***Delamycin	Farmington	20.00	20.1	2.50	3.9	4.50	4.7
Delaware Broiler Mash	Farmington	22.00	22.6	3.00	4.3	4.50	4.4
Delaware Complete Growing Mash	Farmington	15.00	16.8	3.00	4.1	7.00	6.2

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Delaware Mills (continued)							
**Delaware Complete Laying Mash	Farmington	16.00	18.2	3.00	3.9	7.00	7.3
**Delaware Crisp Dog Food	Farmington	23.00	25.4	3.50	5.3	4.50	2.7
Delaware 18% Dairy Feed (Special)	Farmington	18.00	19.9	3.50	4.5	12.00	8.7
Delaware Fattening Mash (Crumbles)	Farmington	14.00	16.2	3.00	4.7	5.50	6.4
Delaware Fattening Mash (Pellets)	Farmington	14.00	16.2	3.00	4.2	5.50	6.2
Delaware Fitting Ration	Farmington	14.00	14.7	3.00	3.4	11.00	8.9
Delaware Flushing Mash	Farmington	11.00	11.8	2.00	3.6	5.00	4.6
**Delaware Granular Dog Food	Farmington	23.00	26.1	3.00	5.8	4.50	2.7
Delaware Horse Feed	Farmington	9.00	10.8	2.00	3.3	11.00	7.3
Delaware Pig & Hog Feed	Farmington	15.00	17.3	2.50	3.9	7.00	7.2
Delaware Poultry Fitting Ration	Farmington	12.00	12.2	2.00	2.6	8.00	6.2
Delaware Sulfaquinoxaline Mixture in Delaware Broiler Mash	Farmington	22.00	22.0	3.00	4.4	4.50	4.1
Delaware Sulfaquinoxaline in Delaware Turkey Starting Mash	Farmington	24.00	24.1	2.50	3.9	6.00	6.0
Delaware 18% Test Ration	Farmington	18.00	18.9	4.00	4.4	9.00	8.4
Delaware Turkey Fitting Ration	Farmington	11.00	11.7	2.00	3.2	8.00	6.3
Delaware Turkey Growing Mash (Crumbles)	Farmington	20.00	21.4	2.50	3.7	6.50	6.4
Delaware Turkey Growing Mash (Pellets)	Farmington	20.00	20.7	2.50	4.1	6.50	6.1
***Delquinox in Delaware Starter and Broiler Ration	Farmington	20.00	21.7	2.50	4.1	6.00	5.4
***Delquinox in Delaware Starter & **Broiler Ration w/200 gram Aureomycin	Derry Village	20.00	21.3	2.50	4.1	6.00	5.9
**Nitrophenide (megasul) and Arsanilic Acid in Delaware Broiler Mash	Farmington	22.00	22.1	3.00	4.3	4.50	4.3
Delham Food Products Co., Inc. Brighton, Mass.							
Kim's 100% Horsemeat Dog Food	Concord	18.00	18.0	5.00	11.4	0.05	0.0
Dietrich & Gambrill, Inc. Frederick, Md.							
D&G Gambrill's Laying Mash	Laconia	20.00	20.6	3.00	5.0	8.00	5.9
Distillers Corp., Ltd. Montreal, Canada							
Distilco Corn Distillers Dried Grains	Greenfield	25.00	27.2	8.00	12.1	12.00	9.5
Dow Brewery, Ltd. Montreal 3, Quebec							
**Dow's Dried Brewers' Grains	Keene	22.00	**20.1**	7.00	8.2	15.00	**17.5**
John C. Dow Co. Gloucester, Mass.							
Dow's Crumpled Meal Dog Food	Claremont	24.00	28.1	4.00	5.0	3.50	1.8
Dow's Crunchy Dog Food	Claremont	21.00	24.2	2.50	4.3	2.00	1.2

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Doyle Pacing Co., Inc. of N. J. **Long Branch, N. J.**							
**Strongheart Dog Food	Concord	8.00	8.7	2.00	2.6	1.50	0.1
The Drackett Co. **Cincinnati 32, Ohio**							
**Super Charge	Concord	17.00	21.0	9.00	11.5	2.00	1.1
Eastern States Farmers Exchange, Inc. **W. Springfield, Mass.**							
Eastern States All-Mash Breeder	Dover	15.50	16.1	2.50	3.8	4.50	3.1
Eastern States All-Mash Developer	Manchester	16.00	16.8	2.50	4.0	4.50	4.1
Eastern States All-Mash Developer WN	Manchester	16.00	17.2	2.50	3.8	4.50	3.9
Eastern States All Mash Producer	Manchester	15.50	17.4	2.50	3.9	4.50	3.8
Eastern States Calf Starter	Woodsville	20.00	21.7	3.00	3.6	6.00	4.9
Eastern States Calving Ration	Woodsville	9.50	9.7	1.50	1.7	15.00	12.6
Eastern States Champion	Woodsville	14.00	17.3	2.50	3.3	7.50	5.5
Eastern States Champion	Claremont	14.00	16.4	2.50	3.0	7.50	4.9
Eastern States Dog Feed	Woodsville	24.00	25.6	5.50	7.5	4.00	3.0
Eastern States Fitting Ration	Woodsville	14.00	15.0	3.00	4.8	8.50	7.0
Eastern States Fulpail	Woodsville	20.00	20.7	3.50	4.0	8.50	7.6
Eastern States Milkmore	Woodsville	16.00	17.2	3.50	4.2	8.50	7.4
Eastern States Milksaver	Claremont	24.00	25.3	1.00	3.6	1.00	0.7
Eastern States Nitrophenide Mixture in Pacemaker	Claremont	20.00	20.4	2.50	3.1	4.00	3.4
Eastern States Nitrophenide in Pacemaker Plus	Manchester	20.00	20.6	2.50	4.2	4.00	3.6
Eastern States Pacemaker Plus	Dover	20.00	20.9	2.50	3.7	4.00	3.2
Eastern States Pig Primer	Woodsville	16.00	16.1	3.00	3.8	6.00	4.4
Eastern States Pork Builder	Woodsville	14.00	15.5	3.00	3.8	4.00	2.8
Eastern States Producer	Manchester	22.00	22.3	2.50	3.5	5.00	4.0
Eastern States Sulfaquinoxaline Mixture in E. S. Minuteman (Pellets)	Woodsville	20.00	20.3	2.50	4.1	4.50	4.4
Eastern States 36% Supplement	Dover	36.00	38.5	1.50	2.3	8.00	6.5
Eastern States Sweepstakes	Woodsville	16.00	18.2	3.50	4.2	8.00	6.0
Eastern States Turkey Grower (Pellets)	Manchester	20.00	21.2	2.50	4.1	4.50	4.2
B. A. Eckhart Milling Co. **Chicago, Ill.**							
**Ecko Pure Wheat Bran	Bow	14.00	16.8	3.50	4.8	12.00	8.7
Standard Wheat Middlings w/GWS	Portsmouth	15.00	16.4	4.00	4.0	9.50	4.9
Elm City Grain **Keene, N. H.**							
Elm Tree All Mash Breeder	Keene	16.00	18.3	3.50	4.2	8.00	6.0
Elm Tree All Mash Laying	Keene	16.00	16.8	3.50	3.9	8.00	7.4
Elm Tree 22% Breeder Mash (Pellets)	Keene	22.00	**20.9**	3.50	4.1	5.50	6.3
Elm Tree Chick Starter	Keene	20.00	23.2	4.00	4.2	8.00	5.7
Elm Tree Dairy Feed	Keene	18.00	19.9	3.50	3.6	11.00	7.4

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Elm City Grain (continued)							
Elm Tree 16% Dairy Feed	Keene	16.00	19.3	3.50	3.5	11.00	8.8
Elm Tree 16% Dairy Feed	Keene	16.00	18.1	3.50	3.7	11.00	8.8
Elm Tree 14% Dry & Fitting Ration	Keene	14.00	14.7	3.50	3.9	11.00	7.7
Elm Tree 14% Fitting Ration	Keene	14.00	15.3	3.50	3.6	11.00	7.9
Elm Tree 14% Fitting Ration	Keene	14.00	14.5	3.50	3.7	11.00	8.5
Elm Tree Growing Mash	Keene	18.00	18.9	3.50	3.8	8.00	6.3
Elm Tree Hi-Eff Breeder	Keene	16.00	16.4	3.50	4.1	5.00	5.0
Elm Tree Hi-Lo Starter and Broiler	Keene	20.00	21.8	3.50	3.8	4.50	4.3
Elm Tree Laying Mash	Keene	19.00	20.8	3.50	4.1	9.00	6.5
Elm Tree Pig & Hog Feed	Keene	14.00	16.1	4.00	**3.6**	10.00	6.0
Elm Tree Pig & Hog Feed	Keene	14.00	15.7	4.00	3.8	10.00	6.2
Elm Tree Poultry Fitting	Keene	10.00	11.8	3.00	3.5	9.00	6.3
Elm Tree Provender	Keene	10.00	11.1	3.50	4.3	8.00	6.6
Elmore Milling Co. Oneonta, N. Y.							
Elmore Complete Growing Ration (Pellets)	Jaffrey	15.00	21.8	3.00	3.6	5.00	4.8
Elmore Complete Market Egg Mash	Jaffrey	15.00	18.9	3.00	3.4	4.50	3.7
Elmore Dry and Freshening Ration	Nashua	12.00	16.5	3.25	3.8	9.00	7.1
Elmore Egg Mash	Jaffrey	20.00	**18.7**	2.50	3.9	6.00	5.1
Elmore Fitting Ration	Jaffrey	14.00	**12.6**	4.00	4.3	8.00	5.1
Elmore Flaked Pelleted Calf Starter	Greenland	18.00	**15.8**	2.50	4.7	8.00	6.4
Elmore Growing Mash (Hi Energy Hi Efficiency)	Nashua	18.00	21.4	2.50	3.7	6.00	4.6
Elmore Hog Ration	Jaffrey	15.00	16.9	4.00	4.1	8.00	3.6
Elmore Horse Feed	Jaffrey	9.00	11.7	2.50	3.7	11.00	4.5
Elmore Milk Grains "Sixteen"	Jaffrey	16.00	19.9	3.50	4.0	9.00	5.9
Elmore Pacemaker 16% Dairy Ration	Jaffrey	16.00	18.4	3.00	4.3	10.00	4.2
Elmore Pacemaker 16% Dairy Ration	Greenland	16.00	18.8	3.00	3.7	10.00	8.0
Elmore Pacemaker Fitting Ration	Jaffrey	14.00	18.9	3.50	3.8	9.00	3.9
Elmore Turkey Finisher (Fattener)	Greenland	16.00	17.8	3.00	3.7	8.00	5.2
Elmore Turkey Growing Mash	Jaffrey	20.00	**19.3**	2.50	4.4	8.00	3.8
John W. Eshelman & Sons Lancaster, Pa.							
Eshelman Calf Meal	Keene	22.00	23.6	3.00	3.1	5.00	5.0
Eshelman Red Rose Breeder Mash	Keene	20.00	20.7	3.50	4.1	5.50	5.3
Eshelman Red Rose Calf Grower	Keene	14.00	15.2	3.00	4.1	8.50	7.3
Eshelman Red Rose Calf Starter	Keene	18.00	19.9	3.00	3.1	8.00	6.7
Eshelman Red Rose 16 Dairy Feed	Keene	16.00	17.8	3.50	3.9	9.50	7.7
Eshelman Red Rose Dog & Puppy Food	Keene	23.00	26.6	4.75	6.7	4.50	3.8
Eshelman Red Rose Fitting Ration	Keene	12.00	12.9	3.50	4.1	7.00	6.8
Eshelman Red Rose Goat Ration	Keene	16.00	17.1	3.00	3.5	10.00	6.3
Eshelman Red Rose Horse Feed	Keene	9.00	10.4	3.00	3.3	10.00	6.1
Eshelman Red Rose Laying Mash	Keene	20.00	21.1	3.50	4.0	5.50	5.2
Eshelman's Red Rose Milk Replacer	Keene	22.00	23.9	1.00	1.9	1.00	0.8
Eshelman Red Rose TC Feed	Nashua	18.00	20.0	3.00	4.9	5.00	5.0

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Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
John W. Eshelman & Sons (continued)							
**Eshelman Sulfaquinoxaline in Red Rose Rabbit Pellets	Keene	18.00	19.4	3.00	3.6	12.00	8.9
Evans Industries, Inc. **Marion, Ind.**							
**Better Bite Dog Food	Manchester	14.00	15.7	4.00	5.3	0.50	0.4
Farmers Feed Co. **538 East 78th St.** **New York, N. Y.**							
Bull Brand Dried Brewers Grain	Colebrook	26.00	27.3	6.00	7.5	17.00	13.4
Farmers Grain & Feed Co. **Morrisville, Vermont**							
Fortress 16% Dairy	N. Haverhill	16.00	17.1	3.00	4.0	9.00	7.2
Fortress 16% Dairy	Colebrook	16.00	17.7	3.00	3.8	9.00	7.6
Fortress 16% Dairy	Lancaster	16.00	17.5	3.00	3.8	9.00	7.9
Fortress 18% Dairy	Lancaster	18.00	18.9	3.00	3.5	9.00	7.5
Fortress 18% Dairy	Colebrook	18.00	20.7	3.00	4.0	9.00	7.0
Fortress Fitting Ration	Lancaster	14.00	15.4	3.00	3.3	9.00	6.2
Fortress Fitting Ration	N. Haverhill	14.00	15.8	3.00	3.2	9.00	6.3
Feed Products, Inc. **Groveland, Fla.**							
Bestest Brand "Nature Sweet" Dried Citrus Pulp	Weare	6.00	5.6	5.00	**4.3**	12.00	9.2
Florida Citrus Canners Coop. **Lake Wales, Fla.**							
Lake Wales Brand Citrus Pulp	Lancaster	6.00	6.1	3.00	5.3	16.00	13.0
Food Products Co. of America **Chicago, Ill.**							
**Dog House Dog & Cat Food	Alton	10.00	10.3	2.00	2.6	1.50	0.5
The Foster Canning Co., Inc. **Farmingdale, N. J.**							
Snappy Dog Food	Concord	9.00	9.8	1.00	1.0	1.50	1.2
Fowler Bros. **Suncook, N. H.**							
Sun Valley All Mash Breeder	Suncook	15.00	16.9	3.00	4.0	7.50	5.2
Sun Valley Breeder Mash	Suncook	20.00	21.2	3.00	4.5	7.50	5.3
**Sun Valley Chick Starter	Suncook	20.00	21.4	3.00	3.9	7.00	4.1
Sun Valley Dairy Ration	Suncook	16.00	19.9	3.50	3.5	10.00	6.0
Funk Bros. Seed Co. **Bloomington, Ill.**							
**Funk's 44% Protein Solvent Extracted Soybean Oil Meal	Suncook	44.00	46.6	0.5	0.8	7.00	5.3
General Foods Corp. **Boston 10, Mass.**							
Jack & Jill Cat Food	Concord	14.00	16.2	0.25	0.5	0.25	0.1

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
General Mills, Inc. **Detroit, Mich.**							
Dried Molasses Beet Pulp	Woodsville	7.00	10.1	0.30	0.4	20.00	16.0
Dried Molasses Beet Pulp	Colebrook	7.00	8.2	0.30	0.6	20.00	18.8
**Farm Service Appetizer Mash	Exeter	20.00	20.9	2.50	4.9	9.00	3.6
Farm Service Complete Layer Mash	Nashua	16.0	18.2	2.50	4.3	8.00	5.6
Farm Service 20% Dairy Feed	Exeter	20.00	22.6	2.50	2.7	10.00	7.8
Farm Service 14% Fitting Ration	Exeter	14.00	15.5	2.50	2.7	12.00	7.1
**Farm Service Hi-Energy All Mash	Nashua	16.00	16.2	3.00	4.7	4.50	4.1
**Farm Service Hi-Energy Breeder Mash	Nashua	20.00	19.7	3.00	4.2	5.00	4.2
**Farm Service Hi-Energy Breeder Mash (Pellets)	Nashua	20.00	21.4	3.00	4.1	5.00	4.3
Farm Service Horse Feed	Nashua	9.00	10.4	3.00	3.7	9.50	6.2
**Farm Service Nitrosal Mix in Farm Service 20% Broiler Mash	Exeter	20.00	20.3	3.50	4.6	6.00	5.3
Farm Service Roaster Finisher Mash	Exeter	18.00	18.3	3.50	4.8	5.50	4.4
Gold Medal Complete Grower Mash	Nashua	16.00	16.1	2.50	4.3	8.00	8.0
Gold Medal Complete Layer Mash	Nashua	16.00	15.6	2.50	3.3	8.00	7.6
Gold Medal 16% Dairy Feed	Nashua	16.00	15.6	2.50	3.3	10.00	9.1
Gold Medal 14% Fitting Ration	Nashua	14.00	14.1	2.50	2.6	12.00	8.3
Gold Medal Hi-Efficiency All Mash	Nashua	16.00	16.6	3.00	3.9	5.00	4.9
Gold Medal Hi-Efficiency Breeder Mash	Nashua	20.00	20.2	3.00	4.6	5.00	4.8
Gold Medal 20% Layer Mash	Nashua	20.00	20.4	2.50	3.8	8.00	7.2
Gold Medal Sweet Feed	Nashua	9.00	10.2	3.00	3.3	10.00	6.0
Larro Chick Grains	Exeter	8.00	9.8	2.00	2.7	4.00	3.6
Larro Nitrofurazone w/Arsonic Growth Stimulant in Larro Surebroiler	Laconia	20.00	21.7	3.00	4.0	5.50	3.5
Larro Nitrofurazone with Arsonic Growth Stimulant in Larro Surebroiler	Exeter	20.00	**18.4**	3.00	4.3	5.50	6.2
Larro Nitrofurazone with Arsonic Growth Stimulant in Surebroiler Starter	Nashua	20.00	21.2	2.50	3.9	4.50	3.8
Larro Nitrofurazone Mix in Larro Surebroiler Supplement	Exeter	18.00	18.2	2.50	3.6	6.00	4.6
Larro 3 Nitro Mix in Larro Surebroiler	Exeter	20.00	21.9	3.00	3.5	5.50	3.5
Larro Nitrosal Mix in Larro Broiler Supplement Pellets	Laconia	18.00	18.4	2.50	3.4	6.00	5.1
Larro Poultry Surehatch	Exeter	20.00	20.1	2.50	4.1	8.00	7.9
Larro Scratch Grains	Nashua	8.00	8.7	2.00	2.5	5.00	2.8
Larro 0.1 Sulfaquinoxaline Mix in Larro Surebroiler	Exeter	20.00	21.2	3.00	3.5	5.50	3.6
Larro Surebroiler 38	Nashua	38.00	40.9	1.50	2.4	7.50	5.3
Larro Surecalf	Exeter	20.00	23.2	2.50	3.4	7.00	4.8
Larro Surecalf	Laconia	20.00	23.0	2.50	3.8	7.00	5.0
Larro Surecattle 32	Exeter	32.00	32.7	1.75	2.0	9.00	6.6
Larro Sure Chick	Keene	20.00	21.6	3.00	4.2	6.00	5.4
Larro Surehog	Exeter	17.00	18.1	3.00	4.0	6.00	4.7
Larro Surelay (Pelleted)	Exeter	20.00	21.7	2.50	4.1	8.00	6.1

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
General Mills (continued)							
Larro Surelay (Pelleted)	Laconia	20.00	22.5	2.50	3.7	8.00	5.9
Larro Surelay "Hi-Energy"	Nashua	20.00	21.8	2.50	3.6	7.00	5.9
**Larro Surelift	Exeter	20.00	21.5	2.50	3.6	7.00	4.4
**Larro Surelift (Crumbled)	Nashua	20.00	22.4	2.50	3.8	7.00	5.9
Larro Suremilk 14	Exeter	14.00	15.8	2.50	3.5	12.00	7.9
Larro Suremilk 16	Laconia	16.00	17.5	2.50	3.6	12.00	8.2
Larro Suremilk 16	Exeter	16.00	17.0	2.50	3.1	12.00	8.0
Larro Suremilk 20	Exeter	20.00	21.0	2.50	2.6	12.00	8.0
Larro Surerabbit	Nashua	15.00	16.3	2.0	3.7	19.00	15.5
Vigor Dog Food	Nashua	22.50	26.1	4.00	4.4	5.00	3.2
Washburn's Gold Medal Hard Wheat Bran and Ground Wheat Screenings Not Exceeding Mill Run	Potter Place	14.00	15.2	3.50	4.3	12.00	9.9
Washburn's Gold Medal Hard Wheat Standard Middlings and Ground Wheat Screenings	Woodsville	15.00	16.5	4.00	4.7	9.50	6.8
The Glidden Co. Chicago, Ill.							
Glidden Quality Products 44% Solvent Extracted Soybean Oil Meal	Lancaster	44.00	44.8	0.50	1.0	7.00	6.4
Goldenrod Oil Meal Sales Co. Memphis, Tenn.							
Golden Rod Brand 41% Cottonseed Meal Prime Quality	Bow	41.00	41.0	4.00	4.8	13.00	9.5
Great Atlantic & Pacific Tea Co. New York, N. Y.							
Daily Cat Food	Concord	10.00	13.3	2.00	3.0	1.50	1.0
Daily Dog Food Diet 1	Concord	12.00	**10.8**	3.00	3.4	1.50	1.3
Daily Dog Food Diet 2	Concord	12.00	12.9	3.00	3.7	1.50	0.8
Daily Dog Meal	Concord	23.00	25.8	3.50	5.2	4.50	2.4
Hales & Hunter Chicago, Ill.							
Pioneer 18 Dairy	Lebanon	18.00	17.6	3.00	2.8	9.00	6.4
Pioneer Dry & Freshening	Lebanon	12.00	14.6	2.50	3.3	10.00	7.4
Pioneer Hog Ration 15	Lebanon	15.00	15.9	2.50	3.8	8.00	5.7
Pioneer Horse Feed	Lebanon	9.00	10.9	2.50	3.5	10.00	6.7
Pioneer Pelleted Flaked 15 Dairy	Lebanon	15.00	17.4	3.00	3.2	9.00	5.7
**Pioneer Pig Starter	Lebanon	18.00	20.2	2.50	3.9	6.00	3.5
Pioneer Rabbit Feed	Lebanon	16.00	16.8	2.00	3.3	15.00	8.7
**Red Comb Broiler Mash	Lebanon	20.00	22.5	3.00	5.1	6.00	5.2
Red Comb Egg Mash	Lebanon	20.00	21.8	3.00	4.1	7.00	6.5
Red Comb Growing Mash	Lebanon	18.00	20.5	3.00	5.2	7.00	5.8
Harper Feed Mills Washington, Pa.							
Harco Breeder Mash	Derry	22.00	22.5	3.00	3.9	6.50	5.3
Harco 16% Dairy Ration with Pellets	Derry	16.00	18.0	3.00	3.3	11.00	7.6

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Harper Feed Mills (continued)							
Harco Growing Mash	Derry	18.00	20.2	3.00	3.9	7.00	4.5
Harco Poultry Fitting Ration	Derry	9.00	13.4	3.00	3.5	11.00	6.4
Harco Short Feed (Station Fattener Pellets)	Derry	15.00	16.9	3.00	4.4	6.00	5.2
Harco Special Short Feed (Station Fattener Pellets)	Derry	15.00	18.3	3.00	3.9	6.00	5.6
Nitrophenide in Harco Chick Starting Mash	Derry	20.00	22.7	3.00	4.0	5.50	4.9
**Top Profit Laying Mash	Derry	18.00	20.1	3.00	3.4	8.00	5.4
W. L. Hogg Ltd. **Montreal, Canada**							
**Barley Feed	Manchester	11.00	10.6	2.00	2.3	10.50	10.1
H. P. Hood & Sons **Boston, Mass.**							
Hood's Calf Starter	Plymouth	28.00	30.3	3.00	3.0	4.00	2.5
Hood's Vitamin Enriched Calf Starter	Colebrook	28.00	29.6	3.00	3.1	4.00	3.0
E. C. & W. L. Hopkins Co. **Greenfield, N. H.**							
Granite State Breeder Mash	Hillsboro	20.00	19.6	3.00	4.6	7.50	5.7
Granite State Complete Breeder Mash	Greenfield	16.00	16.4	3.00	5.3	7.00	5.1
Granite State 16% Dairy Feed	Hillsboro	16.00	17.4	3.50	5.0	9.00	6.7
Granite State 20% Dairy Feed	Hillsboro	20.00	21.1	4.00	4.2	10.00	6.6
Granite State Fitting Ration	Greenfield	14.00	14.9	3.00	3.9	8.00	6.4
Granite State Growing Mash	Hillsboro	19.00	20.1	3.00	4.6	8.00	6.8
Granite State High-Energy Complete Breeder Mash	Greenfield	16.00	18.1	3.00	4.9	4.00	4.0
Granite State Hog Ration	Hillsboro	17.50	18.3	3.00	4.2	7.00	4.6
The Hubinger Co. **Keokuk, Iowa**							
Ke-OK-uk Corn Gluten Feed	Keene	23.00	24.1	2.00	1.8	8.50	8.9
The Hunt Milling Corp. **London, Ontario**							
**Wheat Bran	Epping	13.50	15.1	5.00	**4.6**	11.50	10.2
International Milling Co. **Minneapolis, Minn.**							
Blackhawk Standard Wheat Bran with Ground Wheat Screenings	Bow	15.00	16.9	2.50	5.4	12.00	11.5
Blackhawk Wheat Standard Middlings w/GWS	Lancaster	15.00	17.1	3.00	5.4	9.50	9.5
Target Wheat Red Dog	Keene	15.00	17.5	2.00	3.5	4.00	3.5
John Jervis Grain Co. **Toronto, Ontario**							
**Jervis Pure Wheat Shorts	Greenfield	15.00	15.4	5.00	4.8	8.00	7.3
**Jervis Pure Wheat Shorts	Manchester	15.00	15.2	5.00	**4.7**	8.00	6.2

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
R. P. Johnson **Potter Place**							
Johnson's Complete Laying Mash .	Potter Place	15.00	16.7	3.00	4.1	8.00	5.4
Johnson's Dairy Feed	Potter Place	16.00	17.8	3.00	3.2	9.00	7.7
Johnson's Growing Mash	Potter Place	14.00	17.4	3.00	4.1	9.00	5.7
Johnson's Laying Mash	Potter Place	18.00	19.3	4.00	4.0	8.00	6.0
Johnson's Pig & Hog Feed	Potter Place	15.00	17.8	2.00	3.90	7.00	5.9
Kasco Mills, Inc. **Waverly, N. Y.**							
Kasco Egg Producer	Nashua	20.00	21.6	3.00	3.6	7.50	6.0
Kasco Fitting Ration	Nashua	14.00	16.0	3.50	3.8	10.00	7.6
Kellogg Co. **London, Ontario, Canada**							
Kellogg's Hominy Feed	Manchester	9.50	10.5	6.00	9.4	5.00	4.0
Kennell Food Supply **Fairfield, Conn.**							
**K. F. S. All Beef Dog Food	Concord	15.00	**12.8**	5.00	7.1	2.00	0.3
Keystone Dehydrators **Nazareth, Pa.**							
Keystone Super Green Alfalfa Meal	Bow	17.00	19.22	2.00	2.4	27.00	23.9
Kuder Pulp Sales Co. **Lake Alfred, Fla.**							
Kuder Dried Citrus Pulp High Sugar	Exeter	6.00	6.1	5.00	**4.7**	13.00	11.5
Lake of the Woods Milling Co. **Montreal, Canada**							
**Lakewood Wheat Shorts	Colebrook	16.00	18.3	5.00	5.0	8.00	7.3
Libby, McNeill & Libby **Ocala, Florida**							
**Headliner Brand Dried Citrus Pulp	Lancaster	6.00	6.3	3.00	**2.3**	18.00	10.4
Lincoln Mills **Indianapolis, Ind.**							
Pulverized Lincoln Oats Containing Wheat & Barley	Manchester	11.00	12.3	2.00	2.5	13.00	13.2
L. B. Lovitt & Co. **Memphis, Tenn.**							
**"Lovitt Brand" 41% Protein Cottonseed Meal (Prime Quality) .	Epping	41.00	**39.4**	4.00	6.5	13.00	10.4
The Manitoba Sugar Co., Ltd. **Winnipeg, Man.**							
**Dried Molasses Beet Pulp	Colebrook	7.00	10.1	0.30	0.4	20.00	15.8
Mapleleaf Milling **Toronto, Canada**							
Rex Wheat Bran	Bow	14.00	14.3	3.50	4.8	12.00	11.6

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Maritime Milling Co. Buffalo, N. Y.							
B-B Maco Aureomycin in B-B Maco Conditioning Mash	Nashua	14.00	14.9	3.00	3.7	6.00	2.7
Massachusetts Canning Corp. Brighton, Mass.							
Imp All Fish Cat Food	Concord	14.00	14.5	0.50	0.6	0.10	0.1
Merrimack Farmers Exchange, Inc. Concord, N. H.							
Merrimack All Mash	Loudon Ridge	15.00	15.5	3.50	4.3	7.00	5.8
Merrimack All Mash (Pellets)	Loudon Ridge	15.00	15.3	3.50	3.9	7.00	5.9
Merrimack All Mash (Pellets)	Laconia	15.00	15.4	3.50	4.4	7.00	6.2
Merrimack Breeder Mash	Henniker	20.00	22.1	3.50	5.0	7.00	6.2
Merrimack Calf Meal	Claremont	20.00	21.4	4.50	4.9	7.00	3.1
Merrimack Calf Starter and Growing Ration	Peterboro	12.00	15.2	3.00	3.1	12.00	7.6
Merrimack Calving Ration	Epping	12.00	14.3	3.00	2.8	15.00	10.4
Merrimack Complete Grower	Laconia	15.00	16.5	3.00	4.6	8.00	5.9
Merrimack Complete Grower (Pelleted)	Henniker	15.00	15.4	3.00	4.2	8.00	6.0
Merrimack Complete Layer	Warner	15.00	15.0	3.00	4.2	7.00	5.4
Merrimack Complete Layer (Pellets)	Warner	15.00	15.4	3.00	4.1	7.00	5.7
Merrimack Conditioner Pellets (Nibbles)	Laconia	17.00	18.7	2.50	3.8	8.00	5.9
Merrimack 16% Dairy Ration	Woodsville	16.00	17.2	3.50	3.9	9.00	7.9
Merrimack 16% (Fine) Dairy Ration	Epping	16.00	16.6	3.00	3.7	10.00	8.0
Merrimack 20% Dairy Ration	Epping	20.00	19.7	3.50	4.5	8.50	8.1
Merrimack 20% Dairy Ration	Henniker	20.00	21.8	3.50	3.5	8.50	7.9
Merrimack 20% Dairy Ration	Henniker	20.00	21.0	3.50	**3.2**	8.50	7.6
Merrimack Fast-Gro Broiler (Pelleted)	Peterboro	22.00	22.5	3.00	3.9	4.50	3.1
Merrimack Fast-Gro Starter & Broiler	Henniker	22.00	23.0	3.00	3.9	4.50	3.4
Merrimack Finishing Ration (Pellets)	Claremont	16.00	17.2	3.00	3.7	4.50	3.5
Merrimack 14% Fitting Ration	Laconia	14.00	14.8	3.50	4.4	9.00	6.9
Merrimack Growing Mash (Pellets)	Henniker	17.00	21.4	3.50	4.3	8.00	6.2
Merrimack Hi-F Grower	Laconia	16.00	16.5	2.50	4.3	4.50	3.5
Merrimack Hi-F Layer	Warner	15.00	17.5	2.50	3.3	4.50	4.0
Merrimack Hi-F Layer	Plymouth	15.00	16.8	2.50	3.3	4.50	4.2
Merrimack Hi-Pro-Vite Pellets	Claremont	25.00	25.7	2.50	2.7	5.50	4.8
Merrimack Horse Feed	Woodsville	11.00	12.7	3.50	3.6	10.00	6.3
Merrimack Laying Mash	Henniker	19.00	20.3	3.50	4.2	7.00	7.0
Merrimack Pig Feed	Woodsville	17.00	19.4	3.00	4.7	7.00	7.5
Merrimack Poultry Fitting Ration	Peterboro	13.50	14.2	2.50	2.7	8.00	4.8
Merrimack Provender	Claremont	9.00	10.4	3.00	3.2	10.00	6.2
Merrimack Rabbit Pellets	Peterboro	20.00	20.7	2.25	3.9	12.00	11.6
Merrimack Sheep and Goat Ration	Peterboro	14.00	15.5	2.50	3.2	9.00	6.1
Merrimack 18% Special Dairy Ration	Woodsville	18.00	19.8	3.50	3.8	8.50	7.8

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Merrimack Farmers (continued)							
Merrimack Starter & Broiler Ration	Epping	22.00	22.9	3.00	3.6	5.50	4.5
Sulfaquinoxaline in Merrimack All Mash	Manchester	15.00	16.1	3.50	4.2	7.00	6.3
Merrimack Sulfaquinoxaline Mixture in Merrimack Fast-Gro Broiler	Henniker	22.00	22.4	3.00	4.4	4.50	3.7
Sulfaquinoxaline in Merrimack Fast-Gro Starter & Broiler	Manchester	22.00	23.3	3.00	3.6	4.50	3.1
0.05% Sulfaquinoxaline in Merrimack Hi-Level Sulfa Mash	Bow	22.00	23.9	3.00	3.9	4.50	3.6
Merrimack Sulfaquinoxaline .0175% in Starter and Broiler Ration	Laconia	22.00	23.1	3.00	3.9	5.50	4.5
Merrimack Super Mash	Manchester	16.00	17.4	2.50	3.8	4.50	4.1
Merrimack Turkey Growing Mash (Pellets)	Laconia	20.00	21.8	2.50	3.6	8.00	5.0
Merrimack Worm Control Mixture (Pellets)	Laconia	15.00	15.1	3.00	4.4	8.00	4.3
Merrimycin	Peterboro	22.00	23.6	3.00	3.7	4.50	3.6
Sweetened Oat Mill Feed	Epping	3.00	3.5	1.00	**0.7**	30.00	26.2
Sweetened Oat Mill Feed	Bow	3.00	6.3	1.00	1.7	30.00	20.0
MHR Alfalfa Co., Inc. **Ohio City, Ohio**							
**Dehydrated Alfalfa Meal 17	Bow	17.00	**14.9**	1.50	2.4	27.00	26.9
Molson's Brewery **Montreal, Canada**							
**Dried Brewers' Grains	Dover	22.00	21.6	7.00	**5.9**	15.00	15.5
Monroe Grain Alfalfa Co. **Monroe, Neb.**							
Monroe 17% Dehydrated Alfalfa Meal	Bow	17.00	18.3	1.50	2.6	27.00	23.1
Geo. Q. Moon & Co., Inc. **Binghamton, N. Y.**							
Moon Complete Growing Mash	Salem Depot	16.00	**15.1**	3.50	4.3	7.00	5.9
Moon Complete Starter and Broiler Mash	Salem Depot	17.50	18.0	3.50	4.4	7.00	6.1
Moon Hog Feed	Salem Depot	13.00	14.8	3.00	5.2	12.00	6.0
Moon N. E. Complete Growing Mash	Salem Depot	16.00	18.1	3.00	4.2	9.00	8.6
Moon N. E. Complete Laying Mash	Salem Depot	16.00	16.8	3.00	4.1	9.00	8.2
Moon Sulfaquinoxaline Mixture in Moon Complete Starter and Broiler Mash	Salem Depot	17.50	17.8	3.50	4.6	7.00	5.9
Moon Sulfaquinoxaline Mixture in Moon Super Starter & Broiler Mash	Salem Depot	20.00	20.0	3.00	4.2	3.50	3.6
Moon Turkey Fattener Mash	Salem Depot	15.00	18.3	3.50	4.7	7.50	6.1
Moon Turkey Fitting Ration	Salem Depot	11.00	12.4	2.50	2.9	11.00	5.7
Moon Turkey Grower Mash	Salem Depot	20.00	21.3	4.00	4.1	6.50	6.8

* Protein and fat not less than, crude fiber not more than.
** Not registered at time of drawing of sample.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
John Morrell & Co. **Ottumwa, Iowa**							
**Morrell Red Heart Cat Food	Portsmouth	10.50	12.7	2.50	2.9	1.00	0.6
**Morrell Red Heart Dog Food Fish Flavor	Manchester	10.50	14.8	2.50	3.1	1.00	0.6
**Morrell Red Heart Dog Food Beef Flavor	Concord	10.50	11.8	2.50	3.5	1.00	0.5
Mowat, Wilson & Co. **Detroit, Mich.**							
Dried Molasses Beet Pulp	Bow	7.00	9.8	0.3	0.6	20.00	17.3
Nappanee Milling Co., Inc. **Nappanee, Ind.**							
**Hominy Feed	Nashua	9.50	10.7	6.50	9.9	7.50	5.1
National Biscuit Co. **Toledo, Ohio**							
Namico	Bow	14.00	14.8	3.50	4.3	9.00	5.5
National Distillers Products Corp. **120 Broadway, New York**							
Nadrisol Brand Corn Distillers Dried Solubles	Dover	25.00	28.1	5.00	9.1	4.00	4.6
Nadrisol Corn Distillers Dried Solubles	Greenfield	25.00	27.7	5.00	8.2	4.00	**5.0**
National Packing Co. **Boston, Mass.**							
**Kitty Snicker Cat Food	Concord	15.00	18.1	0.25	1.0	1.00	0.2
Ogden Grain Co. **Utica, N. Y.**							
Ogden Breeder Mash	Manchester	20.00	22.4	3.00	3.8	7.00	6.4
Ogden Broiler Finisher Pellets	Manchester	15.00	16.0	3.00	3.7	6.00	5.9
Complete Chick Starter	Manchester	20.00	20.6	3.00	4.0	7.00	6.0
Ogden Complete Starter Grower Layer Breeder (Pellets)	Manchester	16.00	17.9	2.50	3.7	7.50	6.4
Ogden Poultry and Turkey Fitting Ration	Manchester	10.00	10.2	3.00	3.1	8.00	4.6
Ogden Rabbit Pellets	Manchester	16.50	18.0	3.00	3.6	13.00	11.0
Ogilvie Flour Mills, Ltd. **Montreal, Canada**							
**Ogilvie Wheat Shorts	Bow	16.00	16.5	5.00	5.1	8.00	7.0
Old Mother Hubbard Dog Food Co. **Gloucester, Mass.**							
Original Old Mother Hubbard Fish Cat Food	Concord	15.50	16.7	0.25	0.3	1.00	0.2

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** Not registered at time of drawing of sample.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Old Trusty Dog Food Co.							
Needham Heights, Mass.							
Old Trusty Flavor-Baked Biscuits Bones	Portsmouth	22.00	27.3	2.00	3.6	3.00	1.9
Old Trusty Kibbled Dog Food	Portsmouth	22.00	26.8	2.00	3.5	3.00	2.2
Orleans Canning Co.							
431 So. Dearborn St.							
Chicago, Ill.							
Orleans All Horse Meat Dog Food	Concord	15.00	17.8	3.00	19.1	1.50	0.1
Park & Pollard Co.							
Buffalo, N. Y.							
Hi Prime Turkey Grower (Pellets)	Hillsboro	22.00	**20.6**	3.00	3.2	5.50	4.7
Lay or Bust All Mash Breeder	Plymouth	16.50	16.6	3.00	4.0	5.00	4.8
Lay or Bust All Mash Grower	Salem Depot	16.00	18.2	3.00	4.2	5.00	4.6
Lay or Bust All Mash Layer	Salem Depot	16.50	16.8	3.00	4.3	5.00	4.5
Lay or Bust Chick Starter	Plymouth	22.00	22.7	3.00	3.9	4.50	4.3
Lay or Bust Egg Mash	Salem Depot	20.00	19.8	3.00	3.4	5.50	4.9
Lay or Bust Growing Feed	Salem Depot	18.00	18.9	3.00	3.6	5.50	4.9
Lay or Bust Hi-Power Broiler Ration	Salem Depot	22.00	**21.0**	3.00	3.1	4.00	3.3
Lay or Bust Hi-Valu (Pellets)	Hillsboro	12.00	13.3	2.50	3.8	6.50	5.3
Lay or Bust Laying Pellets	Hillsboro	20.00	20.3	3.00	3.7	5.50	4.8
Lay or Bust Poultry Fitting Ration	Plymouth	14.00	15.1	2.50	3.1	9.50	8.0
Milk Maid Bulky Sweet Dairy	Salem Depot	12.00	14.2	2.50	2.9	14.00	12.3
Milk Maid Calf Meal	N. Haverhill	20.00	22.5	3.50	3.4	7.00	5.5
Milk Maid Calf Meal	Plymouth	20.00	25.4	3.50	3.6	7.00	5.4
Milk Maid Calf Starter Mix	Colebrook	19.00	20.4	3.00	3.4	8.00	6.7
Milk Maid 16% Dairy Ration	Salem Depot	16.00	17.2	3.50	4.4	10.00	7.6
Milk Maid 20% Dairy Ration	Salem Depot	20.00	22.1	3.50	3.9	10.00	7.1
Milk Maid Dri-Fresh Ration	Salem Depot	12.00	14.5	3.00	3.5	10.00	8.3
Milk Maid Fitting Ration	Salem Depot	14.00	14.9	3.00	3.7	9.00	6.5
Milk Maid Test Cow Ration	Salem Depot	18.00	18.7	4.00	4.5	9.00	7.1
Milk Maid 14% Test Ration	Lancaster	14.00	15.4	4.00	4.5	9.00	8.5
Milk Maid Yankee Horse Feed	Hillsboro	10.00	12.3	2.50	3.6	10.00	6.1
Munchy Dog Food	Plymouth	26.00	28.7	6.00	6.5	4.50	3.0
Park & Pollard Co. Aureomycin Mixture in Lay or Bust T.N.T.	Hillsboro	22.00	22.7	3.00	3.3	5.00	4.3
Park & Pollard Go-Tu-It Pig & Hog Ration	Colebrook	16.00	16.2	3.00	3.6	6.00	4.6
Park & Pollard Rabbit Pellets	Plymouth	14.00	17.0	2.50	3.9	12.00	7.9
Park & Pollard Stock Feed	Salem Depot	9.00	13.6	2.00	3.2	12.00	11.5
Park & Pollard Sulfaquinoxaline Mixture in Hi-Power Broiler Ration	Plymouth	22.00	23.8	3.00	3.4	4.00	3.5
Park & Pollard Sulfaquinoxaline .0175% in Lay or Bust Growing Feed	Colebrook	18.00	19.5	3.00	3.2	5.50	5.1
Red Ribbon 16% Dairy Ration	Salem Depot	16.00	17.0	3.50	4.2	11.00	8.5
Red Ribbon 18% Dairy Ration	Colebrook	18.00	19.6	3.50	3.9	11.00	8.4
Red Ribbon 20% Dairy Ration	Colebrook	20.00	21.9	3.50	3.9	11.00	7.6
Sulfaquinoxaline Mixture in Hi-Power Broiler Ration	Salem Depot	22.00	**21.0**	3.00	3.4	4.00	3.4

* Protein and fat not less than, crude fiber not more than.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Park & Pollard Co. (continued)							
Sulfaquinoxaline Mixture in Lay or Bust Chick Starter	Salem Depot	22.00	22.3	3.00	3.7	4.50	4.0
George H. Parker Grain Co. Danvers, Mass.							
Bill McHugh's Horse Feed with Vitamins & Minerals added	Salem	12.00	12.5	3.50	4.00	10.00	7.4
Parrish & Heimbecker, Ltd. Toronto, Canada							
"Parrheim" Pure Wheat Bran	Keene	14.00	**13.4**	3.50	3.6	11.50	7.7
"Parrheim" Pure Wheat Bran	Colebrook	15.00	15.0	3.50	4.2	11.50	9.6
"Parrheim" Pure Wheat Shorts	Keene	14.00	**13.0**	3.50	3.8	8.00	4.3
Pasco Packing Co. Dade City, Florida							
Sugar-Sweet Citrus Pulp	Woodsville	6.00	6.2	2.50	2.3	13.50	9.4
Pierce Grain Co. Buffalo, N. Y.							
**P & G 16% Dairy Ration	Colebrook	16.00	18.6	4.00	3.9	10.00	7.1
16 Reliance Dairy Ration	Colebrook	16.00	16.7	4.00	**3.5**	9.00	6.6
20 Reliance Dairy Ration	Colebrook	20.00	21.5	3.50	**3.0**	9.00	7.4
Superior Fitting Ration	Colebrook	14.00	15.8	3.50	3.4	9.00	7.2
S. S. Pierce Co. Boston, Mass.							
**S. S. Pierce Co. Speak for It Cooked Pet Food	Wolfeboro	18.00	18.1	5.00	16.7	2.00	0.2
**S. S. Pierce Co. Speak for It Cooked Pet Food	Concord	18.00	18.1	5.00	11.0	2.00	0.4
Pillsbury Mills, Inc. Minneapolis, Minn.							
Pillsbury's Hard Wheat Bran with Ground Wheat Screenings	Woodsville	14.00	17.7	4.00	4.9	12.00	9.7
Pillsbury's Hard Wheat Standard B. Middlings W/GWS	Manchester	15.00	17.9	4.00	5.2	9.50	6.6
**Pillsbury's Wheat Germ Meal	Manchester	25.00	28.3	9.00	10.2	4.00	3.0
Pillsbury XX Daisy	Colebrook	16.00	17.6	4.00	4.7	4.00	3.9
Portage Valley Mills Bradner, Ohio							
**Valley Green Alfalfa Meal	Bow	17.00	19.8	1.50	2.7	27.00	17.06
**Valley Green Blended 17 Alfalfa Meal	Suncook	17.00	16.6	1.50	1.8	27.00	**28.7**
**Valley Green Dehydrated Alfalfa Meal Blended 17	Bow	17.00	18.3	1.50	2.9	27.00	23.0
Post Cereal Div. of General Foods Corp. Battle Creek, Mich.							
Flaked Corn Feed	Manchester	8.00	**6.6**	1.00	1.9	2.00	1.0

* Protein and fat not less than, crude fiber not more than.
** Not registered at time of drawing of sample.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Prairie Dehydrating Co. **Roanoke, Ill.**							
**Prairie 17% Dehydrated Alfalfa Meal	Manchester	17.00	17.4	1.50	2.2	27.00	26.4
R. C. Pratt Co. **Toronto, Canada**							
Ruler Brand Pure Wheat Shorts	Greenfield	15.00	15.0	3.50	4.8	10.50	7.8
The George Pritchard Co. **Dover, N. H.**							
Pritchard Complete Grower-Layer Mash	Dover	16.00	17.4	4.00	4.0	7.00	6.5
Pritchard 14% Fitting Ration	Dover	14.00	14.9	3.50	4.5	8.00	8.2
Pritchard Grower-Layer Mash	Dover	20.00	20.1	4.00	4.5	7.00	7.0
Pritchard Complete Pig & Sow Mash	Dover	18.00	18.3	4.00	5.5	7.00	6.5
Publicker Industries, Inc. **Philadelphia, Pa.**							
"Paco" Molasses Distillers Dried Solubles	Manchester	10.00	12.8	0.50	0.6	1.00	0.9
Quaker Oats Co. **Chicago, Ill.**							
Chappel Horse Meat	Concord	15.00	15.0	10.00	13.1	1.00	0.2
Ken-L-Ration	Concord	10.00	10.0	2.50	9.5	1.00	0.4
Bell Cow Wheat Bran	Manchester	15.00	15.8	3.50	4.5	11.50	10.6
Quebec Sugar Refining Co. **St. Hilaire, Canada**							
Dried Beet Pulp	Manchester	7.00	7.5	0.30	0.4	22.50	21.1
Radio Foods Corp. **Lawrence, Mass.**							
**Radio Dog Food	Concord	7.00	9.6	2.00	4.5	1.50	1.0
Ralston Purina Co. **St. Louis, Mo.**							
Purina Breeder Lay Chow E.	Manchester	22.00	23.2	2.50	4.1	5.50	4.4
Purina Broiler Chow Finished E	Nashua	18.00	19.6	3.00	4.1	4.50	3.7
Purina Broiler Chow Finisher E (Mash)	Nashua	18.00	19.2	3.00	4.3	4.50	3.8
Purina Bulky Las	Greenland	10.00	11.2	1.50	1.9	15.00	14.3
Purina Calf Startena E	Colebrook	19.50	22.4	2.50	2.6	9.50	7.1
Purina Calf Startena E	Manchester	19.50	21.3	2.50	2.9	9.50	7.3
Purina Chek-R-Aid Checkerette-Etts	Manchester	20.00	20.9	3.00	3.7	6.00	3.9
Purina Chek-R-Ton Granules E	Nashua	18.00	22.3	2.50	3.1	5.00	4.4
Purina Chek-R-Ton Granules E	Concord	18.00	21.5	2.50	3.9	5.00	4.9
Purina Chick Growena E	Nashua	17.00	17.6	3.00	4.1	7.00	5.0
Purina Cow Chow 14	Nashua	14.00	14.1	3.00	3.4	10.00	6.0
Purina Cow Chow 16	Nashua	16.00	15.9	3.00	3.3	10.00	6.2

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** Not registered at time of drawing of sample.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Ralston Purina Co. (continued)							
Purina Cow Chow 18	Concord	18.00	**17.5**	3.00	3.4	10.00	5.9
Purina D & F Chow E	Keene	12.50	13.7	2.50	3.5	12.00	8.5
Purina Dog Chow Checkers	Manchester	24.00	24.1	5.00	8.0	5.00	3.9
Purina Dog Chow Kibbled Meal	Dover	24.00	27.8	7.00	7.0	5.00	5.0
Purina Dog Chow Kibbled Meal	Manchester	24.00	27.3	7.00	8.2	5.00	4.7
Purina Flock Chow E	Nashua	18.00	19.2	2.50	4.0	7.00	5.8
Purina Game Bird Growena E	Greenland	20.00	21.3	3.00	3.8	7.00	5.1
Purina Goat Chow E	Dover	16.00	17.1	3.00	5.3	10.00	5.7
Purina Goat Chow E	Manchester	16.00	18.9	3.00	3.7	10.00	6.7
Purina Hog Fatena E	Concord	14.00	15.4	2.50	3.6	7.00	3.7
Purina Layena Complete Ration E	Keene	16.00	16.3	2.50	4.0	5.00	3.4
Purina Layena (Complete Ration) E	Concord	16.00	16.5	2.50	3.8	5.00	3.4
Purina Layena (Complete Ration) E	Manchester	16.00	16.3	2.50	3.7	5.00	3.6
Purina Mink Chow	Greenland	20.00	23.4	2.00	4.1	5.00	3.0
Purina Omolene	Keene	10.00	11.3	3.00	3.6	11.00	6.5
Purina Poultry Booster Checkers E	Dover	24.00	25.3	2.50	3.3	8.00	5.6
Purina Poultry Booster Chow E	Manchester	24.00	25.3	2.50	3.7	8.00	5.5
Purina Rabbit Chow Checkers (Complete Ration) E	Greenland	15.00	16.5	2.00	3.0	18.00	12.9
Purina Roaster Chow (Checker-Etts)	Concord	17.00	19.0	2.50	3.5	6.50	4.5
Purina Roaster Chow (Checker-Etts)	Manchester	17.00	19.0	2.50	3.7	6.50	4.8
Purina Turkey Fatena E	Concord	15.50	16.6	2.50	3.8	8.00	4.9
Purina Turkey Growena E	Nashua	20.00	20.4	3.00	3.7	7.00	4.8
Purina Turkey Startena E	Nashua	28.00	**26.8**	2.50	3.9	7.00	5.7
Purina .05% Sulfaquinoxaline Mixture E in a Poultry Chow Base . .005% 3-Nitro-4 Hydroxyphenylarsonic Acid and .02% Nitraphenide (from Megasul) in Purina Broiler Chow Finisher E	Nashua	18.00	19.7	3.00	3.1	7.00	4.4
.005% 3-Nitro-4 Hydroxyphenylarsonic Acid and .02% Nitraphenide in Purina Broiler Chow Starter E	Concord	18.00	20.1	3.00	4.4	4.50	3.6
.005% 3-Nitro-4 Hydroxyphenylarsonic Acid in Purina Broiler Chow Finisher E	Concord	22.00	23.0	3.00	3.8	5.00	3.8
.005% 3-Nitro-4 Hydroxyphenylarsonic Acid in Purina Broiler Chow Starter E	Concord	18.00	19.1	3.00	3.5	4.50	3.6
.025% 4-Nitrophenylarsonic Acid (from Histostat) in Purina Turkey Fatena E	Concord	22.00	22.4	3.00	4.3	5.00	4.3
	Concord	15.50	17.6	2.50	3.6	8.00	4.8
John Reardon & Sons Cambridge, Mass.							
Register Brand Fish Meal	Nashua	60.00	60.2	5.00	14.8	1.00	0.2
Register Brand 43% Protein Meat and Bone Scrap	Suncook	43.00	48.7	8.00	13.7	...	...

* Protein and fat not less than, crude fiber not more than.

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
John Reardon & Sons (continued)							
Register Brand 43% Protein Meat and Bone Scrap	Concord	43.00	46.2	8.00	11.9	...	...
Register Brand 43% Protein Meat and Bone Scrap	Concord	43.00	49.1	8.00	11.6	...	...
Register Brand 43% Protein Meat and Bone Scrap	Nashua	43.00	**41.8**	8.00	10.9	...	...
Register Brand 45% Protein Meat and Bone Scrap	Dover	45.00	**42.5**	8.00	10.1	...	...
Register Brand 45% Protein Meat and Bone Scrap	Concord	45.00	**43.1**	8.00	9.5	...	...
Register Brand 45% Protein Meat and Bone Scrap	Concord	45.00	47.1	8.00	12.5	...	...
Register Brand 45% Protein Meat and Bone Scrap	Dover	45.00	**44.1**	8.00	10.5	...	...
Register Brand 45% Protein Meat and Bone Scrap	Concord	45.00	**43.9**	8.00	9.8	...	...
Register Brand 45% Meat and Bone Scrap	Concord	45.00	**42.1**	8.00	10.3	...	...
Re-Dan Packing Co. Ozone Park, L. I., N. Y.							
Cadet Dog Food	Concord	8.00	8.4	2.00	3.6	1.50	1.2
Rival Packing Co. Chicago 32, Ill.							
Rival Dog Food	Concord	12.50	12.9	2.50	**1.8**	1.00	0.8
Robin Hood Flour Mills Moosejaw, Canada							
**Blackhawk Pulverized Oat Mill Feed	Bow	3.50	5.4	1.00	2.0	30.00	26.2
Russell-Miller Milling Co. Minneapolis, Minn.							
Hard Wheat Occident Bran	Concord	14.00	18.1	4.00	5.0	11.50	8.9
Hard Wheat Occident Standard Middling with Ground Wheat Screenings	Lancaster	15.00	17.2	4.00	5.0	9.50	7.7
Schoeneck Farms, Inc. Nazareth, Pa.							
Schoeneck's Super-Green Dehydrated Alfalfa Meal	Nashua	17.00	17.2	2.00	2.1	27.00	27.8
Super Green Dehydrated Alfalfa Meal	Manchester	17.00	**16.1**	2.00	3.1	27.00	22.2
17% Super Green Dehydrated Alfalfa Meal	Epping	17.00	17.1	2.00	2.4	27.00	24.4
Sea Board Supply Co. Philadelphia, Pa.							
**Dried Tomato Pomace	Greenfield	20.00	22.8	10.50	15.1	36.00	29.8

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** Not registered at time of drawing of sample.

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Joseph Seagram & Sons, Inc. **Louisville, Ky.**							
Seagram's Corn Distillers Dried Grains	Manchester	26.00	26.8	8.00	7.8	11.00	7.9
Seagram's 24% Protein Corn Distillers Dried Grains	Manchester	24.00	27.3	7.00	8.9	14.00	7.8
Sherwin Williams **Cleveland, Ohio**							
34% Linseed Oil Meal Blend of Solvent Extracted & Expeller	Bow	34.00	35.2	3.50	3.5	9.00	8.8
W. J. Small Company **Kansas City 6, Mo.**							
Small's 17% Dehydrated Alfalfa Meal	Potter Place	17.00	18.7	1.75	2.7	27.00	23.3
Allen V. Smith, Inc. **Marcellus Falls, N. Y.**							
Smith's Barley Feed	Bow	13.00	14.2	2.00	4.6	10.50	10.9
Smith's Barley Feed	Manchester	13.00	13.6	2.00	4.8	10.50	**15.6**
B. T. Smith Conc., Inc. **Lakeland, Florida**							
**B. T. Smith Brand Dried Citrus Pulp	Keene	6.00	**5.5**	3.00	3.7	15.00	15.6
Smith Meal Co. **Amagansett, N. Y.**							
**Smith's Fish Meal	Manchester	55.00	64.1	5.00	10.8	3.00	0.2
South End Grain, Inc. **Manchester, N. H.**							
Nitrophenide Mixture in Superior Broiler	Manchester	20.00	20.0	2.50	3.9	4.00	3.0
Superior High Energy Breeder Mash	Manchester	16.00	16.6	3.00	3.5	4.50	3.3
The Southern Cotton Oil Co. **Rocky Mount, N. C.**							
**Sco-Co Brand 41% Protein Cottonseed Meal Prime Quality	Dover	41.00	41.1	4.00	6.3	13.00	9.1
F. B. Spaulding Co. **Lancaster, N. H.**							
Miracle Complete Egg Mash	Lancaster	16.00	17.8	3.00	4.3	9.00	5.5
Provender	Lancaster	10.00	10.5	3.50	3.9	9.00	8.1
Real Hog Grower & Fattener	Lancaster	14.00	15.1	3.50	3.8	5.50	4.4
Spaulding's 20% Dairy Ration	Lancaster	20.00	21.2	2.75	3.8	9.00	7.8
Spaulding's Fitting Ration	Lancaster	12.00	14.9	3.25	3.8	9.00	7.7
Spaulding's Horse Feed	Lancaster	10.00	12.6	3.25	4.2	9.00	7.1
Spencer Kellogg Co. **Minneapolis, Minn.**							
Spencer Kellogg Old Process Expeller Linseed Oil Meal	Colebrook	32.00	34.5	3.50	3.8	9.50	8.4

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Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
A. E. Staley Mfg. Co. **Decatur, Ill.**							
Staley's 44% Protein Solvent Extracted Soybean Oil Meal	Manchester	44.00	45.2	0.50	0.7	7.00	6.3
Suni Citrus Products Co. **Haines City, Fla.**							
Sweet Suni Citrus Pulp	Woodsville	6.00	6.0	5.00	**3.0**	15.00	12.3
Swift and Co. **Chicago, Ill.**							
Pard Swift's Dog Food	Concord	10.50	11.00	2.50	5.8	1.00	0.5
Swift's Pard Meal	Concord	26.00	26.9	7.50	8.5	5.00	2.8
Timerson Canning Co., Inc. **Fair Haven, N. Y.**							
**Timco Dog & Cat Food	Concord	12.00	**11.5**	2.50	3.9	1.25	1.2
Toronto Elevators, Ltd. **Montreal, Canada**							
**Double Diamond Linseed Oil Cake Meal	Manchester	34.00	35.5	4.00	4.4	9.00	8.3
Trexler Farms **Allentown, Pa.**							
**Buffalo Brand 17% Fancy Fine Ground Dehydrated Alfalfa Meal	Nashua	17.00	16.7	2.00	2.1	27.00	25.1
Union Starch & Refining Co. **Columbus, Ohio**							
Union Corn Gluten Feed	Manchester	23.00	25.7	2.00	3.6	8.50	7.1
Union Corn Gluten Meal	Manchester	41.00	43.6	1.00	2.3	5.00	4.9
United Cooperative Farmers, Inc. **Fitchburg, Mass.**							
**Fitting Ration	New Ipswich	14.00	14.1	3.00	4.2	9.00	5.3
**United Farmers Layer	New Ipswich	20.00	21.2	2.50	3.9	5.50	4.5
**16% Super Dairy	New Ipswich	16.00	16.8	3.50	3.5	9.00	7.2
Unity Feeds, Inc. **Manchester, N. H.**							
Unity Feeds Breeder Mash (Bulk)	E. Manchester	20.00	21.3	3.00	4.2	6.00	5.1
Unity Feeds Chick Starter	Manchester	20.00	20.3	3.00	3.6	4.50	4.3
Unity Feeds Complete Growing Mash (Pelleted)	Milford	15.00	17.4	3.00	3.2	7.00	5.0
Unity Feeds Complete Market Egg Mash	Milford	15.00	16.9	3.00	3.1	6.00	4.7
Unity Feeds Dairy Fitting Ration	Milford	14.00	15.4	3.50	4.2	8.00	6.2
Unity Feeds Dairy & Fitting Ration	Manchester	14.00	14.7	3.50	3.5	8.00	6.9
Unity Feeds 16% Dairy Ration ..	Milford	16.00	**15.2**	3.50	4.9	9.00	7.9
Unity Feeds Fattening Station (Mash)	Milford	14.00	16.2	3.00	4.9	7.00	6.9
**Unity Feeds High Energy Breeder Mash	Milford	16.00	16.5	3.00	3.9	4.00	3.2

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Unity Feeds (continued)							
Unity Feeds High Energy Breeder Mash	Manchester	16.00	16.9	3.00	4.4	4.00	3.5
**Unity Feeds High Energy Growing Mash	Milford	15.00	17.2	3.00	4.0	4.50	3.2
Unity Feeds Horse Feed	Manchester	10.00	10.8	3.00	3.0	9.00	4.0
**Unity Feeds High Energy Laying Mash	Milford	15.00	17.7	3.00	4.6	4.50	3.7
Unity Feeds Laying Mash	Milford	20.00	21.5	3.00	3.6	7.00	5.3
Unity Feeds Nitrophenide in Advance Ration	Milford	20.00	21.3	2.50	3.7	4.50	3.6
Unity Feeds Nitrophenide in Advance Ration	Manchester	20.00	19.9	2.50	3.8	4.50	4.1
Unity Feeds Nitrophenide-Arsanilic Acid in Super Ration	Manchester	20.00	20.3	3.00	4.1	3.50	3.2
Unity Feeds Nitrophenide-Arsanilic Acid in Unity Super-Gro Ration	Milford	17.00	17.3	2.50	3.8	3.50	2.9
Unity Feeds Pig & Hog Ration	Milford	17.00	18.2	3.00	3.7	6.00	4.4
Unity Feeds Super Gro Ration	Milford	17.00	18.3	2.50	4.0	3.50	2.5
Unity Grist Mill 4-Way Mash	Milford	15.00	16.7	3.50	3.6	7.00	5.0
Unity Grist Mill 4-Way Mash	Manchester	15.00	17.6	3.50	4.5	7.00	5.1
Unity Breeder Mash	Manchester	20.00	19.8	3.00	4.6	6.00	5.3
Unity Feeds 16% Dairy Ration	Hopkinton	16.00	18.1	3.50	4.3	9.00	7.9
Unity Feeds Hi Energy Breeder	Nashua	16.00	17.0	3.00	4.3	4.00	3.7
Usen Canning Co. Boston, Mass.							
**Cop-E-Cat All Fish Cat Food	Concord	16.00	**14.5**	0.30	0.4	0.30	0.2
Valier & Spies Milling Co. St. Louis, Mo.							
Valier's Wheat Bran	Colebrook	14.50	16.7	3.50	4.0	10.50	8.1
Victory Mills, Ltd. Toronto, Canada							
Veelene Soybean Oil Meal Solvent Extracted	Colebrook	44.00	44.9	0.50	1.3	7.00	6.9
H. K. Webster Co. Lawrence, Mass.							
Blue Seal Breeder's Mash	Concord	20.00	20.4	3.50	4.5	7.00	5.5
Blue Seal Calf Starter	Colebrook	19.00	18.6	3.50	3.4	7.50	7.1
Blue Seal Chlortetracyline and Sulfaquinoxaline Mixture	Nashua	20.00	20.3	3.00	3.7	4.00	3.8
Blue Seal "16" Dairy Ration Coarse	Colebrook	16.00	17.1	3.50	4.2	9.00	7.7
Blue Seal Fine "16" Dairy Ration	Colebrook	16.00	17.9	3.50	3.9	9.00	7.8
**Blue Seal "18" Dairy Ration	Colebrook	18.00	18.9	3.50	4.1	9.00	7.4
Blue Seal "20" Dairy Ration Coarse	Colebrook	20.00	20.5	3.50	3.9	9.00	7.0
Blue Seal Egg Mash	Nashua	20.00	20.9	3.50	3.7	7.00	5.9
Blue Seal Fattening Pellets	Concord	14.00	15.3	3.50	4.8	6.50	5.1
Blue Seal Fitting Ration	Colebrook	14.00	14.8	3.50	3.7	9.00	8.1
Blue Seal Growing Mash	Nashua	18.00	18.9	3.50	4.4	7.00	5.8

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		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
H. K. Webster (continued)							
Blue Seal Nitrophenide Mixture in a Chick Starter	Nashua	19.00	19.5	3.50	4.5	6.50	5.6
Blue Seal O-R-O Medic-Aid	Nashua	20.00	22.0	3.00	3.7	4.00	4.4
Blue Seal Pig Feed	Nashua	15.00	16.1	3.00	5.5	6.00	4.9
Blue Seal Poultry and Turkey Fitting	Nashua	12.00	13.7	2.50	3.2	6.00	4.2
Blue Seal Provender	Colebrook	9.50	9.5	3.50	4.0	7.00	5.1
Blue Seal Scratch Feed	Nashua	9.50	10.9	2.50	3.0	4.00	2.4
Blue Seal Succulent Feed & Calving Ration	Colebrook	12.00	14.0	1.50	2.3	18.00	14.5
Blue Seal Sulfaquinoxaline in Super Starter & Broiler	Concord	20.00	21.4	3.00	3.9	4.00	3.7
Blue Seal Super All-Mash Breeder's Ration	Concord	16.00	16.6	3.50	4.3	4.00	3.3
Blue Seal Super All-Mash Egg Ration	Concord	16.00	18.0	3.00	3.8	4.00	3.8
Blue Seal Super All-Mash Egg Ration	Nashua	16.00	18.4	3.00	3.6	4.00	3.9
Blue Seal Super All-Mash Growing Ration	Concord	16.00	17.7	3.00	4.0	4.00	3.8
Blue Seal Super Mash	Nashua	20.00	21.1	3.50	4.4	4.00	3.4
Blue Seal Turkey Growing	Nashua	20.00	21.1	3.50	3.8	7.00	6.0
Western Condensing Co. **Appleton, Wis.**							
Peebles Calf-Kit	Laconia	17.00	17.4	1.00	1.1	0.40	0.2
Whitmoyer Laboratories, Inc. **Myerstown, Pa.**							
Clo-Meal	Keene	40.00	44.4	10.00	20.9	3.75	1.2
Gro-Tein	Keene	42.00	51.0	6.00	**4.9**	5.50	1.2
**Whitmoyer Quality Fish Meal	Manchester	59.00	**56.0**	1.00	11.7	2.00	0.9
Whitmoyer Quality Fish Meal	Suncook	60.00	62.5	7.00	**2.9**	3.00	0.4
Wilson & Co., Inc. **Chicago, Ill.**							
**Ideal Dog Food	Concord	10.00	9.8	2.00	6.1	1.00	0.5
James Wilson & Sons **Fergus, Ontario, Canada**							
**Pulverized Oat Hulls	Manchester	4.00	10.2	1.00	2.7	30.00	18.7
Winter Garden Citrus Products Corp. **Winter Garden, Florida**							
**Wholesome Dried Citrus Pulp	Peterboro	5.00	6.1	2.50	3.4	16.00	10.1
Wirthmore Feed Co., Inc. **Concord, N. H.**							
Hygrade Breeder Mash	Hollis	20.00	20.1	3.50	4.6	7.50	6.0
Hygrade Complete Breeder	Concord	16.00	17.1	3.50	5.5	7.00	5.3
Hygrade Complete Grower	Concord	15.00	16.3	3.50	5.1	7.00	5.3
Hygrade 16% Dairy	Lisbon	16.00	17.9	3.50	4.1	9.00	8.1
Hygrade 18% Dairy	Concord	18.00	20.0	3.50	4.2	9.00	8.2
Hygrade 14% Fitting Ration	Lisbon	14.00	16.4	3.50	3.8	9.00	8.2

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Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff					
		Protein		Fat		Crude Fiber	
		GUARANTEED*	FOUND	GUARANTEED*	FOUND	GUARANTEED*	FOUND
Wirthmore Feed Co. (continued)							
Hygrade Growing Mash (Pellets)	Loudon	18.00	19.5	3.00	3.3	7.50	5.2
Hygrade Hi-Energy Breeder	Loudon	16.00	17.2	3.00	3.3	7.50	5.2
Hygrade Hi-Energy Breeder	Hollis	16.00	17.2	3.00	4.5	4.50	3.7
Hygrade Hi-Energy Breeder	Loudon	16.00	16.5	3.00	4.7	4.50	3.4
Hygrade Horse Feed	Concord	10.00	11.1	3.00	3.5	10.00	7.7
Hygrade Laying Mash	Hollis	20.00	20.8	3.50	5.6	7.50	6.1
Hygrade Pig Feed	Concord	17.00	16.8	3.50	4.1	7.50	5.5
Hygrade Provender	Concord	9.00	10.1	4.50	**3.6**	7.00	7.9
Hygrade Sulfaquinoxaline .017% in Broiler Ration	Concord	20.00	20.6	3.00	4.8	4.50	3.8
Hygrade Sulfaquinoxaline .0125% in High Energy Grower	Concord	16.00	17.3	3.00	5.2	4.50	3.8

The following products were unregistered by the New Hampshire Department of Agriculture at the time they were found exposed for sale, but samples were not drawn.

Buckeye Cotton Oil Co. Buckeye 41% Protein Cottonseed Meal P. Q.	Cincinnati, Ohio 41-4-13
Cherry & Sons, S. J. Wheat Bran	Preston, Ont., Canada 14-3.5-11.5
Dover Milling Company Pure Wheat Bran	Dover, Ohio 14-3-10
Haffenreffer & Company Haffenreffer Brewers Dried Yeast	Boston 30, Mass. 42-8-5.5
Harper Feed Mills Harco Complete Calf Ration	Washington, Penna. 15-2-10
Lake of the Woods Milling Co. Lakewood Wheat Bran	Montreal, Quebec, Canada 15-3.5-11.5
Maine Marine Products Plain Fish Meal White Fish Meal	Portland, Maine
Merrimack Farmers' Exch., Inc. Merrimack Farmers Mineral Mixture	Concord, N. H.
Pierce Grain Company Reliance Starting and Growing Mash Superior Complete Laying Mash	Buffalo, New York 18-3.5-7.5 16-3.5-8.25
Ralston Purina Company Laboratory Chow	St. Louis, Missouri 23-5-6
Universal Grain Company 36% Protein Solvent Ext. Linseed Oil Meal	New York 4, N. Y. 36-1.5-9

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